USDA United States Department of Agriculture

Forest Service

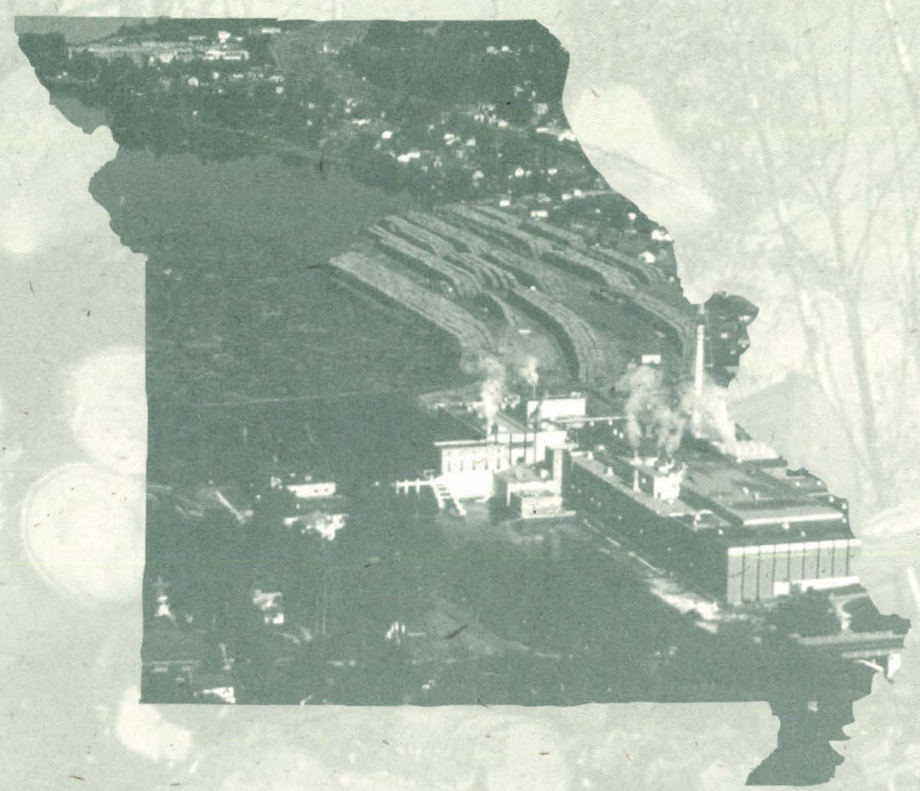
North Central Research Station

Resource Bulletin NC-223

SD11.
A573
223

Missouri Timber Industry—An Assessment of Timber Product Output and Use, 2000

Ronald J. Piva and Thomas B. Treiman



ROCKY MOUNTAIN RESEARCH STATION LIBRARY
FORT COLLINS CENTER
240 W PROSPECT RD
FORT COLLINS, CO 80526-2098

North Central Research Station
Forest Service—U.S. Department of Agriculture
1992 Folwell Avenue
St. Paul, Minnesota 55108
2003
www.ncrs.fs.fed.us

FOREWORD

In this bulletin we discuss recent Missouri forest industry trends and report the results of a detailed study of the forest industry, industrial roundwood production, and associated primary mill wood and bark residue in Missouri in 2000. Such detailed information is necessary for intelligent planning and decisionmaking in wood procurement, forest resources management, and forest industry development. Likewise, researchers need current forest industry and industrial roundwood information for planning projects.

Special thanks are given to the primary wood-using firms for supplying information for this study and to the Missouri Department of Conservation for canvassing the respondents. Their cooperation is greatly appreciated.

All board foot data in this report have been converted to International 1/4-inch scale by applying a multiplier of 1.08 to all roundwood volumes reported in Scribner Decimal C scale by sawmills and handle mills, a multiplier of 1.04 to all roundwood volumes reported in Scribner Decimal C scale by veneer and cooperage mills, a multiplier of 1.38 to all roundwood volume reported in Doyle scale by sawmills and handle mills, and a multiplier of 1.14 to all roundwood volume reported in Doyle scale by veneer and cooperage mills.

When new surveys are completed, errors and omissions from previous surveys are corrected. As a result of our ongoing efforts to improve the survey's efficiency and reliability, changes may have been made to the previous survey's data. All comparisons and analysis in this report are based on the reprocessed data from earlier surveys, which may not match earlier published data.

The last published report from a detailed study of all industrial roundwood output in Missouri was for 1997. Most comparisons in this report are with the 1997 study results. Rows and columns may not sum due to rounding, but data in each table cell are accurately displayed.

CONTENTS

Highlights 1

Primary Timber Industry—Industrial Roundwood 1

Saw Logs 3

Pulpwood 4

Cooperage 5

Other Products 5

Timber Removals 5

Harvest Residues 6

Primary Mill Residues 6

Appendix 8

Study Methods 8

Definition of Terms 8

Common and Scientific Names of Tree Species Mentioned in This Report 12

Table Titles 14

Tables 15

Missouri Timber Industry—An Assessment of Timber Product Output and Use, 2000

Ronald J. Piva and Thomas B. Treiman

HIGHLIGHTS

PRIMARY TIMBER INDUSTRY—INDUSTRIAL ROUNDWOOD

- In 2000, Missouri's primary wood-using industry consisted of 403 sawmills, 8 cooperage mills, 8 post mills, 6 charcoal plants, 4 handle mills, 1 veneer mill, 1 pulp mill, and 9 mills producing other products (table 1).

- The number of large and medium mills combined (mills with an annual lumber production of 1 million board feet or more) decreased by 31 mills, while the number of small mills increased by 17 mills from 1997 to 2000.

- The 14 counties of the Eastern Ozark Unit had the largest concentration of wood-using mills in the State in 2000. This Unit contained 204 sawmills, 4 cooperage mills, 3 charcoal plants, 3 handle plants, 6 post and pole mills, and 1 excelsior mill (fig. 1).

- In 2000, the primary wood-using mills in Missouri processed 127 million cubic feet of industrial roundwood, a decrease of 9 percent from 1997.

- Ninety-three percent of the industrial roundwood processed by the State's primary wood-using mills was cut from Missouri's forest lands. Illinois and Arkansas were the largest suppliers of out-of-State roundwood in 2000, supplying another 3 percent and 2 percent, respectively, of the industrial roundwood used by Missouri mills. The remaining industrial roundwood receipts came from Indiana, Iowa, Kansas, Kentucky, Michigan, Nebraska, Ohio, Oklahoma, Pennsylvania, Tennessee, and Texas (table 2).

- Only 7 percent of the industrial roundwood processed by Missouri mills consisted of softwood species.

- Between 1997 and 2000, the production of industrial roundwood decreased by 8 percent—from 140 million cubic feet to 129 million cubic feet (table 3 and fig. 2).

- Saw logs accounted for 88 percent of the total industrial roundwood produced in 2000. The production of pulpwood was the second largest consumer of Missouri's industrial roundwood production with 7 percent of the total production (table 4).

- In 2000, the Eastern Ozark Unit was the leading producer of industrial roundwood in Missouri, with 58 million cubic feet, or

About the Authors:

Ronald J. Piva, Forester, received a B.S. in forest management from the University of Missouri-Columbia. He joined the Forest Service in 1987 and has been working with the North Central Station's Forest Inventory and Analysis Unit since.

Thomas B. Treiman, Natural Resource Economist, received a Ph.D. in natural resource economics from the University of Wisconsin-Madison and now works at the Missouri Department of Conservation's Conservation Research Center, Columbia, MO.

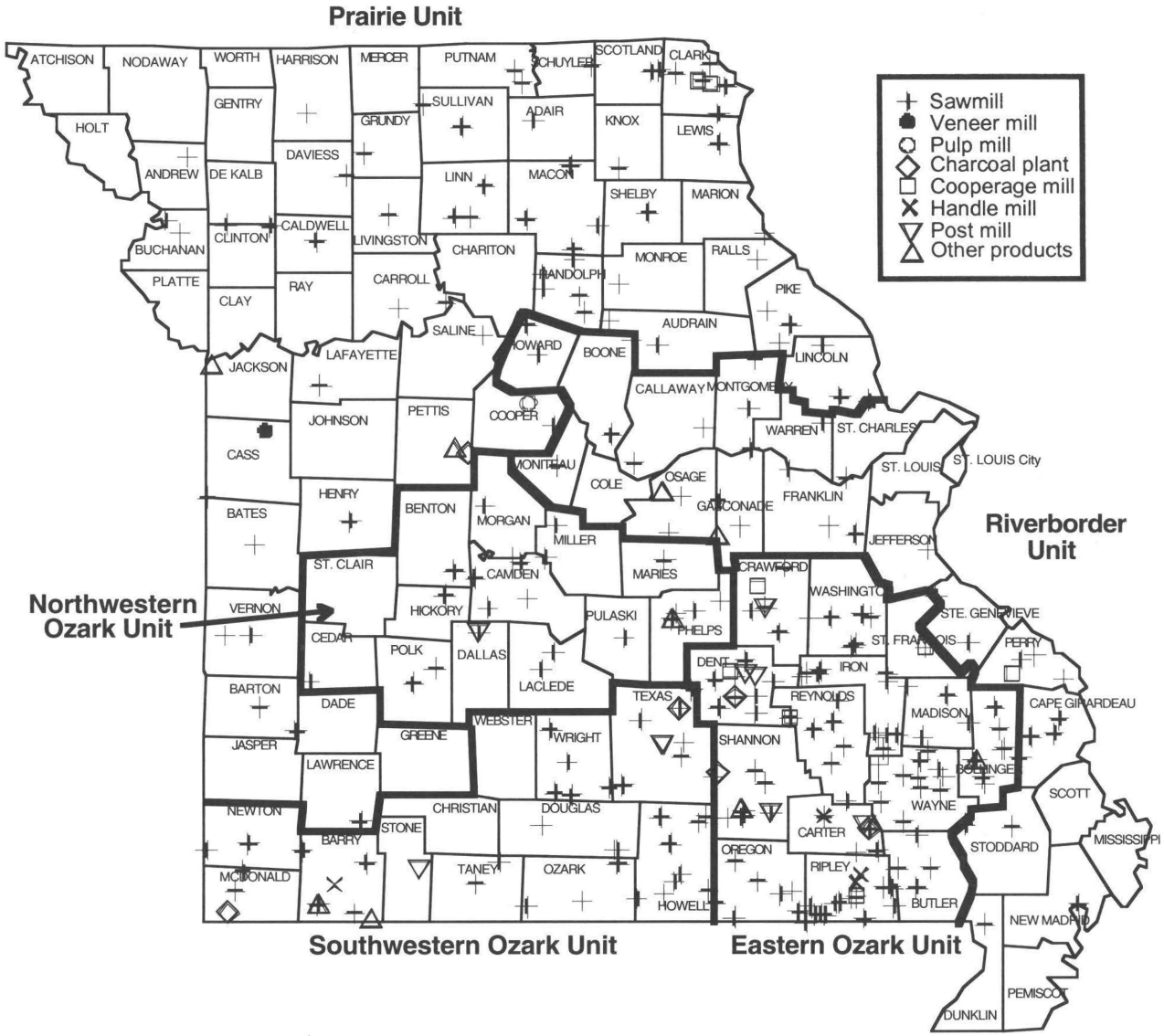


Figure 1.—*Forest Survey Units and location of wood-using mills in Missouri, 2000.*

45 percent of the total industrial roundwood produced. The Prairie Unit was second with 25 million cubic feet (19 percent of the total), followed by the Southwestern Ozark Unit with 20 million cubic feet (16 percent of the total), the Riverborder Unit with 15 million cubic feet (12 percent of the total), and the Northwestern Ozark Unit with 11 million cubic feet (8 percent of the total).

- The Prairie Unit, with an increase of 5 percent, was the only Forest Survey Unit to report an increase in the production of industrial roundwood between 1997 and 2000. The Eastern Ozark Unit decreased by 4 percent, the Riverborder Unit decreased by 9 percent, the Northwest Ozark Unit decreased by 12 percent, and the Southwestern Ozark Unit decreased by 26 percent (fig. 3).

- Red oaks were the most harvested species group in 2000, accounting for 48 percent of the total industrial roundwood volume (table 5). White oaks at 27 percent,

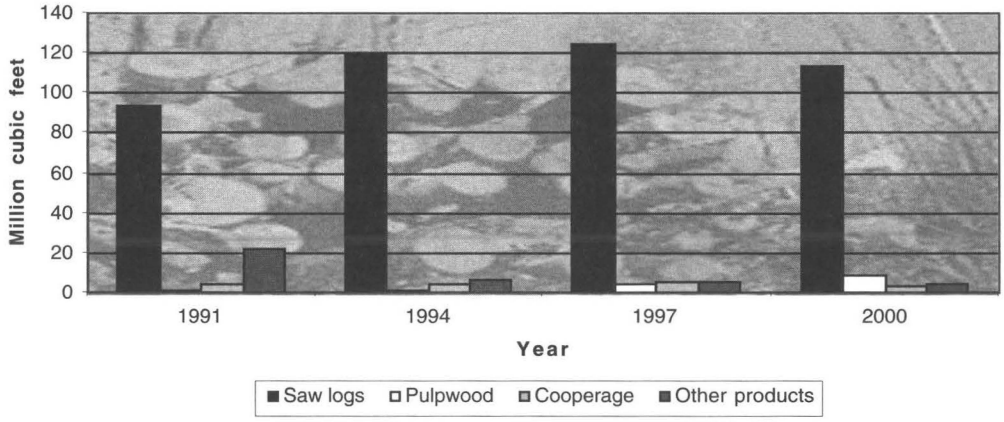


Figure 2.—*Industrial roundwood production by product, Missouri, 1991, 1994, 1997, and 2000.*

cottonwood at 5 percent, and shortleaf pine and hickories both at 4 percent were the other major species harvested.

- Wood processing mills in Missouri received 92 percent of the industrial roundwood that was harvested from Missouri's forests in 2000. Almost 60 percent of the industrial roundwood production that was sent to out-of-State mills went to mills in Kentucky. Mills in Arkansas received another 23 percent of their industrial roundwood exported from Missouri in 2000. The remainder of the exported industrial roundwood went to mills in Illinois, Indiana, Iowa, Kansas, Nebraska, Wisconsin, and to other countries (table 6).

SAW LOGS

- Missouri's sawmills processed 675 million board feet of saw logs in 2000, a decrease of 8 percent from 1997. Saw logs harvested from Missouri's forests supplied 93 percent of the raw material processed by the State's sawmills. Saw logs from Illinois and Arkansas accounted for three-fourths of the imported saw log volume in 2000 (table 7).

- Saw log production in Missouri decreased from 710 million board feet in 1997 to 643 million board feet in 2000, a decrease of almost 9 percent.

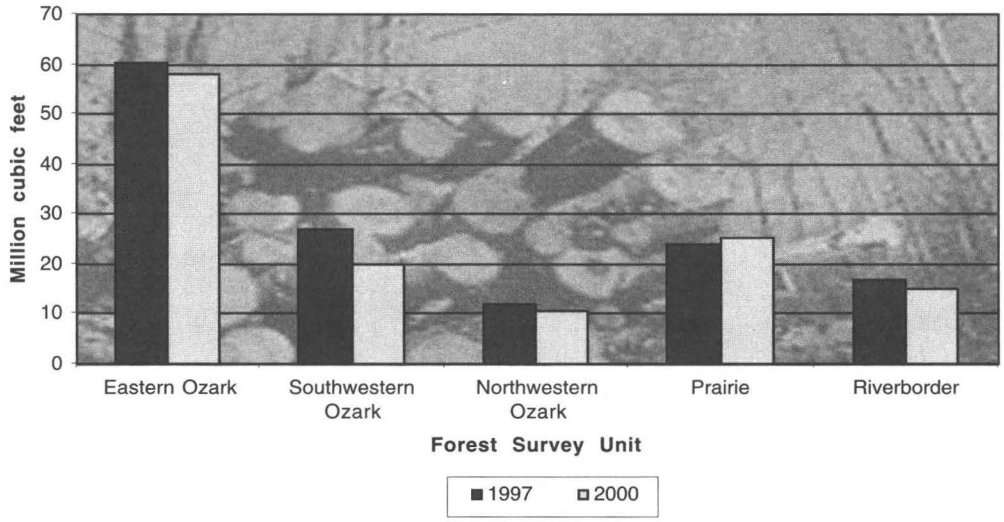


Figure 3.—*Industrial roundwood production by Forest Survey Unit, Missouri, 1997 and 2000.*

- The Eastern Ozark Unit was the leading producer of saw logs in 2000 with 287 million board feet, or 45 percent of the total saw log production. The Prairie Unit produced 139 million board feet, or 22 percent of the saw logs; the Southwestern Ozark Unit produced 97 million board feet, or 15 percent of the saw logs; the Riverborder Unit produced 66 million board feet, or 10 percent of the saw logs; and the Northwestern Ozark Unit produced 53 million board feet, or 8 percent of the saw logs (table 8).

- Red oaks accounted for over half the saw log volume (327 million board feet) harvested from Missouri's forests in 2000. Other important species groups were white oaks at 153 million board feet, cottonwood at 40 million board feet, shortleaf pine at 25 million board feet, and hickory at 24 million board feet (fig. 4).

- Sawmills in Missouri processed 98 percent of the saw logs produced in Missouri in 2000. Other states that reported receiving saw logs from Missouri in 2000 were Arkansas, Illinois, Iowa, Kansas, Kentucky, and Nebraska (table 9).

PULPWOOD

- Even though there was only one pulp mill in Missouri, the export of wood chips for out-of-State pulp mills made pulpwood production the second largest consumer of industrial roundwood in Missouri in 2000.

- Only hardwoods were harvested from Missouri for pulpwood production in 2000. Red and white oaks combined accounted for 83 thousand cords (232 thousand green tons), or over three-quarters of the total volume of pulpwood from roundwood produced.

- The Eastern Ozark Unit supplied 51 percent, or 55 thousand cords (154 thousand green tons), of the pulpwood produced. The second largest source of industrial roundwood for pulpwood production in Missouri was the Riverborder Unit with 24 thousand cords (67 thousand green tons). The Southwestern Ozark Unit supplied 19 thousand cords (54 thousand green tons), and the Prairie Unit supplied another 9 thousand cords (22 thousand green tons). There was no pulpwood harvested from the Northwestern Ozark Unit in 2000 (table 10).

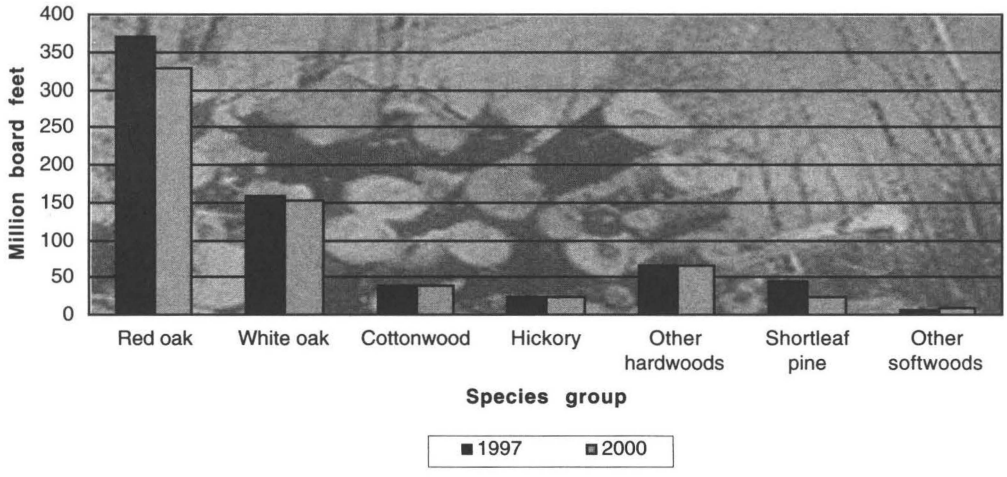


Figure 4.—*Saw log production by species group, Missouri, 1997 and 2000.*

COOPERAGE

- Cooperage logs and bolt production of white oak was the third largest consumer of Missouri's industrial roundwood production in 2000.

- Cooperage logs and bolt production in Missouri decreased by 36 percent, falling from 31 million board feet in 1997 to 20 million board feet in 2000 (table 11).

- The Eastern Ozark Unit was the largest producer of cooperage logs and bolts in 2000, with 8 million board feet, or 41 percent of the total production. The Southwestern Ozark Unit supplied over 4 million board feet, the Northwestern Unit and the Prairie Unit each supplied 3 million board feet, and the Riverborder Unit supplied 1 million board feet.

OTHER PRODUCTS

- Between 1997 and 2000, veneer log production decreased by 23 percent, falling from 4.2 million board feet to 3.2 million board feet. In 2000, the Prairie Unit and the Riverborder Unit combined supplied 85 percent of the veneer log production for the State (table 12).

- Charcoal production from industrial roundwood totaled 12 thousand cords in 2000, down from 17 thousand cords in 1997. The Eastern Ozark Unit and the Southwestern Ozark Unit combined accounted for 96 percent of the total roundwood production for charcoal in 2000 (table 13).

- Handle bolt production fell to 552 thousand board feet in 2000, down from 1,688 thousand board feet in 1997, a decrease of 67 percent. Eighty-seven percent of the industrial roundwood harvested for handles in Missouri came from the Riverborder Unit in 2000 (table 14).

- Missouri produced just over 1 million posts in 2000 (table 15).

- Other industrial roundwood products harvested from Missouri's forests in 2000 include excelsior and shavings bolts, poles, and cabin logs.

TIMBER REMOVALS

- In the production of industrial roundwood in 2000, 131 million cubic feet of Missouri's growing-stock inventory was removed from timberland. Over 80 percent of the growing-stock removed was used for products. Another 87 million cubic feet of non-growing-stock wood material was removed from Missouri's timberland, but only 26 percent of this material was used for industrial roundwood production (table 16).

- Almost 60 percent of the total wood material harvested from Missouri's forests in 2000 was used for the production of primary wood products. The remainder was left on the ground as harvest residues (fig. 5).

- Cull trees accounted for 66 percent of the non-growing-stock sources of roundwood used for the production of primary wood products. The remaining non-growing-stock volume came from limbwood (15 percent), nonforest trees (10 percent), dead trees (8 percent), and saplings (1 percent).

- Forty-five percent of the growing-stock removals came from the Eastern Ozark Unit, 20 percent from the Prairie Unit, 15 percent from the Southwestern Ozark Unit, 12 percent from the Riverborder Unit, and 8 percent from the Northwestern Ozark Unit (table 17).

Residential fuelwood is a major nonindustrial product in Missouri. The results of a residential fuelwood study conducted in 1987 are available in "Residential Fuelwood Production and Sources from Roundwood in Missouri, 1987," RB-NC-132, by Ronald L. Hackett, Daniel J. Witter, and W. Brad Smith. This report is available online at http://www.ncrs.fs.fed.us/pubs/.

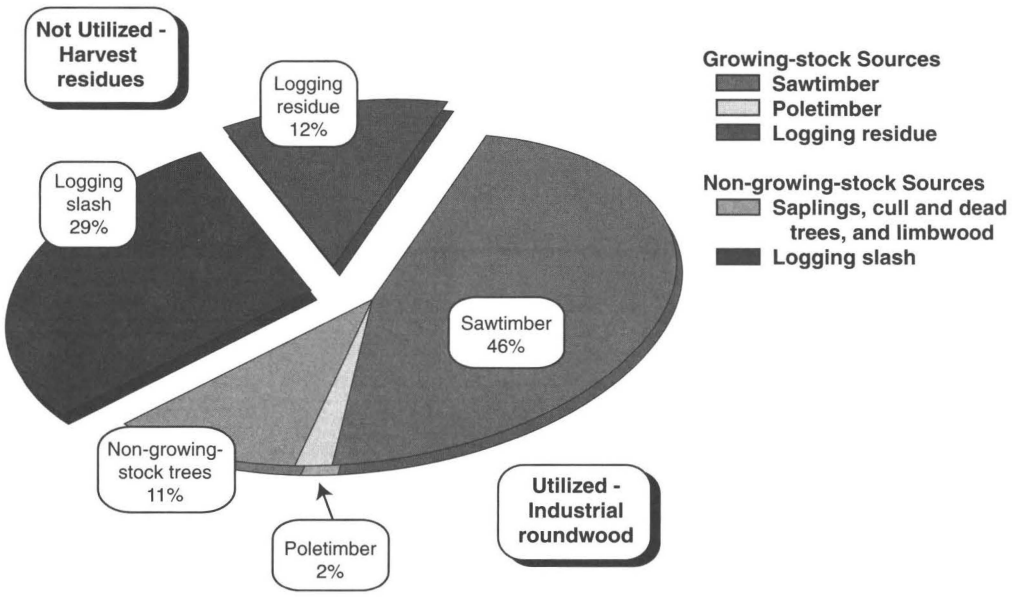


Figure 5.—*Distribution of timber removals for industrial roundwood by source of material, Missouri, 2000.*

- Industrial roundwood harvesting removed 506 million board feet of wood from the sawtimber portion of Missouri's growing-stock inventory in 2000 (table 18).

HARVEST RESIDUES

- In 2000, harvesting of industrial roundwood products left 89 million cubic feet of harvest residues on the ground in Missouri (table 19)—a decrease of 9 percent from 1997.

- The red oak and white oak species groups accounted for 72 percent of the volume of harvest residues generated in Missouri in 2000.

- Seventy-two percent of the wood material left on the ground after the harvest of Missouri's industrial roundwood in 2000 came from non-growing-stock sources such as cull trees, limbwood, and dead trees.

PRIMARY MILL RESIDUES

- In converting industrial roundwood into products such as lumber, wood pulp, and veneer, Missouri's primary wood-using industry generated 1.9 million green tons of wood and bark residues (table 20).

- Fifty percent of the mill residues produced in 2000 were in the form of coarse wood residues, such as slabs and edgings. Fine residues made up another 29 percent of the mill residues produced, and bark residue accounted for the remaining 21 percent (fig. 6).

- Charcoal plants consumed 39 percent of the total residues produced by Missouri's primary wood-using mills in 2000. Miscellaneous uses such as livestock bedding and mulch used another 22 percent of the mill residues generated (fig. 7).

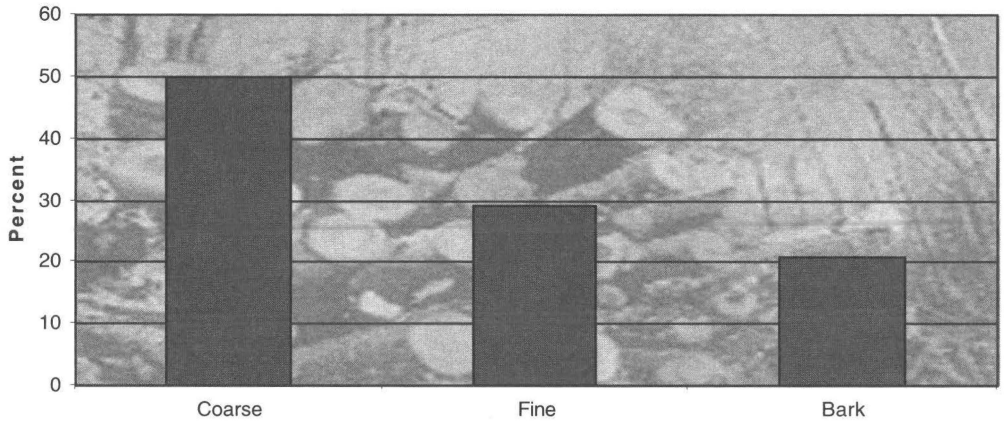


Figure 6.—*Distribution of residues generated by primary wood-using mills by type of residue, Missouri, 2000.*

- Forty-one percent of the coarse and fine wood residues were used in the production of charcoal in 2000. Another 18 percent of these wood residues were sent to pulp and particleboard plants.

- Over half of the bark residue was used for miscellaneous uses such as mulch or livestock bedding.

- Twelve percent of mill residues, or 234 thousand green tons, went unused in 2000. In 1997, 13 percent of the mill residues generated by Missouri's industrial roundwood processors were not used.

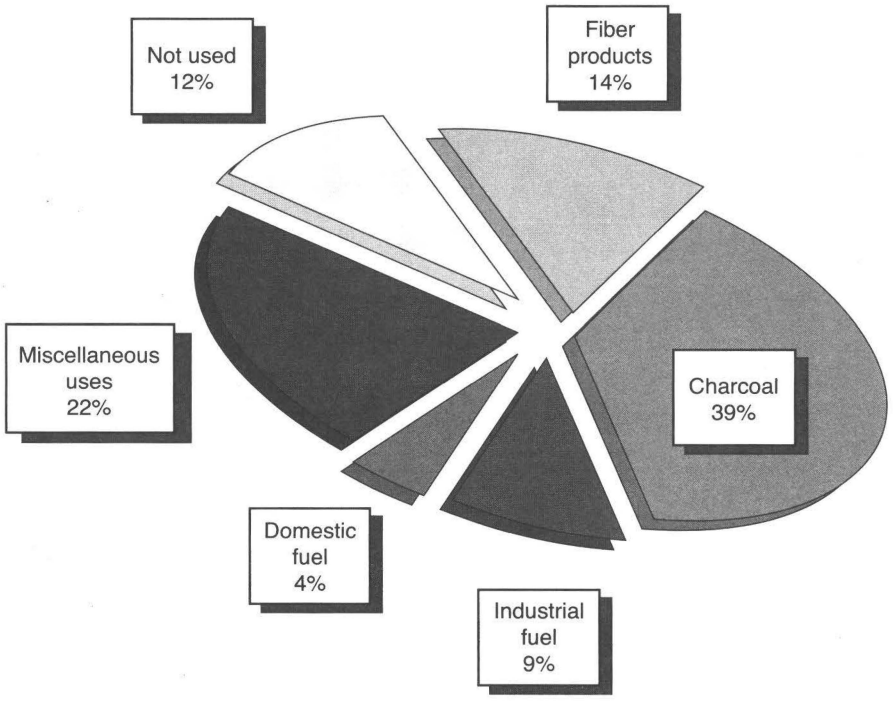


Figure 7.—*Distribution of residues generated by primary wood-using mills by method of disposal, Missouri, 2000.*

APPENDIX

STUDY METHODS

This study was a cooperative effort of the Missouri Department of Conservation (MDC) and the North Central Research Station (NCRS). Using questionnaires supplied by NCRS and designed to determine the size and composition of the State's primary wood-using industry, its use of roundwood, and its generation and disposition of wood residues, MDC personnel and consulting foresters visited all primary wood-using mills within the State. Followup visits were made as needed to achieve a 100-percent response. Completed questionnaires were sent to NCRS for editing and processing.

As part of data editing and processing, all industrial roundwood volumes reported on the questionnaires were converted to standard units of measure using regional conversion factors. Timber removals by source of material and harvest residues generated during logging were estimated from standard product volumes using factors developed from logging utilization studies previously conducted by NCRS. Finalized data on Missouri's industrial roundwood receipts were loaded into a regional timber removals database where they were supplemented with data on out-of-State uses of Missouri roundwood to provide a complete assessment of Missouri's timber product output.

DEFINITION OF TERMS

Board foot
Unit of measure applied to roundwood. It relates to lumber that is 1 foot long, 1 foot wide, and 1 inch thick (or its equivalent).

Bolt
A short log no more than 8 feet long, to be sawn for lumber, peeled or sliced for veneer, shaved for excelsior, or converted into shingles, cooperage stock, dimension stock, blocks, blanks, etc.

Central stem
The portion of a tree between a 1-foot stump and the minimum 4.0-inch top diameter outside bark, or the point where the central stem breaks into limbs.

Coarse mill residue
Wood residue suitable for chipping such as slabs, edgings, and veneer cores.

Commercial species
Tree species presently or prospectively suitable for industrial wood products. (Note: Excludes species of typically small size, poor form, or inferior quality such as hophornbeam, Osage-orange, and redbud.)

Cull removals
Net volume of rough and rotten trees plus the net volume in sections of the central stem of growing-stock trees that do not meet regional merchantability standards harvested for industrial roundwood products.

Dead removals
Net volume of dead trees harvested for industrial roundwood products.

Diameter at breast height (d.b.h.)
The outside bark diameter at 4.5 feet above the forest floor on the uphill side of the tree. For determining breast height, the forest floor includes the duff

layer that may be present, but does not include unincorporated woody debris that may rise above the ground line.

Fine mill residue

Wood residue not suitable for chipping such as sawdust and veneer clippings.

Forest land

Land at least 10 percent stocked by forest trees of any size, or formerly having had such tree cover, and not currently developed for nonforest use. (Note: Stocking is measured by comparing specified standards with basal area and /or number of trees, age or size, and spacing.) The minimum area for classification of forest land is 1 acre. Roadside, streamside, and shelterbelt strips of timber must have a crown width of at least 120 feet to qualify as forest land. Unimproved roads and trails, streams or other bodies of water, or clearings in forest areas shall be classed as forest if less than 120 feet wide.

Growing-stock removals

The growing-stock volume removed from the timberland inventory by harvesting industrial roundwood products. (Note: Includes sawtimber removals, poletimber removals, and logging residues.)

Growing-stock tree

A live timberland tree of commercial species that meets specified standards of size, quality, and merchantability. (Note: Excludes rough, rotten, and dead trees.)

Growing-stock volume

Net volume of growing-stock trees 5.0 inches d.b.h. and over, from 1 foot above the ground to a minimum 4.0-inch top diameter outside bark of the central stem, or to the point where the central stem breaks into limbs.

Hardwoods

Dicotyledonous trees, usually broad-leaved and deciduous.

Harvest residues

The total net volume of unused portions of trees cut or killed by logging. (Note: Includes both logging residues and logging slash.)

Industrial fuelwood

A roundwood product, with or without bark, used to generate energy at manufacturing facilities, schools, correctional institutions, or electric generating plants.

Industrial roundwood exports

The quantity of industrial roundwood harvested in a geographical area and transported to other geographical areas.

Industrial roundwood imports

The quantity of industrial roundwood received from other geographical areas.

Industrial roundwood products

Saw logs, pulpwood, veneer logs, poles, commercial posts, pilings, cooperage logs, particleboard bolts, shaving bolts, lath bolts, charcoal bolts, and chips from roundwood used for pulp or board products.

Industrial roundwood production

The quantity of industrial roundwood harvested in a geographic area plus all industrial roundwood exported to other geographical areas.

Industrial roundwood receipts

The quantity of industrial roundwood received by commercial mills in a geographic area plus all industrial roundwood imported from other geographical areas.

Industrial roundwood retained

The quantity of industrial roundwood harvested from and processed by commercial mills within the same geographical area.

International 1/4-inch rule

A log rule or formula for estimating the board foot volume of logs, allowing 1/2-inch of taper for each 4-foot length. The rule appears in a number of forms that allow for kerf. In this form, 1/4-inch of kerf is assumed. This rule is used as the USDA Forest Service standard log rule in the Eastern United States.

Limbwood removals

Net volume of all portions of a tree other than the central stem (including forks, large limbs, tops, and stumps) harvested for industrial roundwood products.

Logging residue

The net volume of unused portions of the merchantable central stem of growing-stock trees cut or killed by logging.

Logging slash
The net volume of unused portions of the unmerchantable (non-growing-stock) sections of trees cut or killed by logging.

Merchantable sections
Refers to sections of the central stem of growing-stock trees that meet either pulpwood or saw log specifications.

Net volume
Gross volume less deductions for rot, sweep, or other defects affecting use for roundwood products.

Noncommercial species
Tree species of typically small size, poor form, or inferior quality that normally do not develop into trees suitable for industrial roundwood products. Classified in volume tables as rough trees.

Nonforest land
Land that has never supported forests, and land formerly forested where use for timber management is precluded by development for other uses. (Note: Includes areas used for crops, active Christmas tree plantations, orchards, nurseries, improved pasture, residential areas, city parks, improved roads of any width and adjoining clearings, powerline clearings of any width, and 1- to 39.9-acre areas of water classified by the Bureau of the Census as land.) If intermingled in forest areas, unimproved roads and nonforest strips must be more than 120 feet wide and more than 1 acre to qualify as nonforest land.

Nonforest land removals
Net volume of trees on nonforest lands harvested for industrial roundwood products.

Poletimber
A growing-stock tree at least 5.0 inches d.b.h. but smaller than sawtimber size (9.0 inches d.b.h. for softwoods, 11.0 inches d.b.h. for hardwoods).

Poletimber removals
Net volume in the merchantable central stem of poletimber trees harvested for industrial roundwood products.

Primary wood-using mills
Mills receiving roundwood or chips from roundwood for processing into products such as lumber, veneer, and pulp, etc.

Primary wood-using mill residue
Wood materials (coarse and fine) and bark generated at manufacturing plants that process industrial roundwood into principal products. These residues include wood products (byproducts) obtained incidental to production of principal products and wood materials not utilized for some product.

Rotten tree
A tree that does not meet regional merchantability standards because of excessive unsound cull.

Rough tree
A tree that does not meet regional merchantability standards because of excessive sound cull. Includes noncommercial tree species.

Roundwood
Logs, bolts, or other round sections cut from trees (including chips from roundwood).

Sapling
A live tree between 1.0 and 5.0 inches d.b.h.

Sapling removals
Net volume in saplings harvested for industrial roundwood products.

Saw log portion
That portion of the central stem of sawtimber trees between the stump and the saw log top.

Saw log top
The point on the central stem of sawtimber trees above which a saw log cannot be produced. The minimum saw log top is 7.0 inches diameter outside bark for softwoods and 9.0 inches diameter outside bark for hardwoods.

Sawtimber removals
As used in table 16, sawtimber removals refers to the net volume in the merchantable central stem of sawtimber trees harvested for industrial roundwood products. (Note: Includes the saw log and upper stem portions of sawtimber trees.) When referring to the sawtimber volume removed from the timberland inventory as in table 18, sawtimber removals refers to the net volume in the saw log portion of sawtimber trees harvested for roundwood products or left on the ground as harvest residues, and is usually expressed in thousands of board feet (International 1/4-inch rule).

Sawtimber tree

A growing-stock tree containing at least a 12-foot saw log or two noncontiguous saw logs 8 feet or longer, and meeting regional specifications for freedom from defect. Softwoods must be at least 9.0 inches d.b.h. and hardwoods must be at least 11.0 inches d.b.h.

Sawtimber volume

Net volume in the saw log portion of sawtimber trees.

Softwoods

Coniferous trees, usually evergreen, having needles or scale-like leaves.

Timber product output

The volume of roundwood products produced from an area's forests.

Timberland

Forest land that is producing, or is capable of producing, in excess of 20 cubic feet per acre per year of industrial roundwood products under natural conditions, is not withdrawn from timber utilization by statute or administrative regulation, and is not associated with urban or rural development.

Tree

A woody plant usually having one or more perennial stems, a more or less definitely formed crown of foliage, and a height of at least 12 feet at maturity.

Upper stem portion

That portion of the central stem of sawtimber trees between the saw log top and the minimum top diameter of 4.0 inches outside bark, or to the point where the central stem breaks into limbs.

COMMON AND SCIENTIFIC NAMES OF TREE SPECIES MENTIONED IN THIS REPORT

SOFTWOODS

Eastern redcedar ..... *Juniperus virginiana*
Shortleaf pine ..... *Pinus echinata*
Eastern white pine ..... *Pinus strobus*
Other pine
  Scotch pine ..... *Pinus sylvestris*
  Virginia pine ..... *Pinus virginiana*
Cypress ..... *Taxodium distichum*

HARDWOODS

Hard maple
  Black maple ..... *Acer nigrum*
  Sugar maple ..... *Acer saccharum*
Soft maple
  Boxelder ..... *Acer negundo*
  Red maple ..... *Acer rubrum*
  Silver maple ..... *Acer saccharinum*
Ohio buckeye ..... *Aesculus glabra*
River birch ..... *Betula nigra*
Hickory
  Water hickory ..... *Carya aquatica*
  Bitternut hickory ..... *Carya cordiformis*
  Pignut hickory ..... *Carya glabra*
  Shellbark hickory ..... *Carya laciniosa*
  Shagbark hickory ..... *Carya ovata*
  Black hickory ..... *Carya texana*
  Mockernut hickory ..... *Carya tomentosa*
Pecan ..... *Carya illinoensis*
Northern catalpa ..... *Catalpa speciosa*
Sugarberry ..... *Celtis laevigata*
Hackberry ..... *Celtis occidentalis*
Common persimmon ..... *Diospyros virginiana*
American beech ..... *Fagus grandifolia*
Ash
  White ash ..... *Fraxinus americana*
  Black ash ..... *Fraxinus nigra*
  Green ash ..... *Fraxinus pennsylvanica*
  Blue ash ..... *Fraxinus quadrangulata*
Honeylocust ..... *Gleditsia triacanthos*
Kentucky coffeetree ..... *Gymnocladus dioicus*

Butternut	*Juglans cinerea*
Black walnut	*Juglans nigra*
Sweetgum	*Liquidambar styraciflua*
Yellow-poplar	*Liriodendron tulipifera*
Osage-orange	*Maclura pomifera*
Cucumbertree	*Magnolia acuminata*
Red mulberry	*Morus rubra*
Tupelo	
Swamp tupelo (blackgum)	*Nyssa sylvatica* var. *biflora*
Black tupelo	*Nyssa sylvatica* var. *sylvatica*
American sycamore	*Platanus occidentalis*
Eastern cottonwood	*Populus deltoides*
Black cherry	*Prunus serotina*
Red oak group	
Scarlet oak	*Quercus coccinea*
Northern pin oak	*Quercus ellipsoidalis*
Southern red oak	*Quercus falcata*
Cherrybark oak	*Quercus falcata* var. *pagodifolia*
Shingle oak	*Quercus imbricaria*
Blackjack oak	*Quercus marilandica*
Water oak	*Quercus nigra*
Pin oak	*Quercus palustris*
Willow oak	*Quercus phellos*
Northern red oak	*Quercus rubra*
Shumard oak	*Quercus shumardii* var. *shumardii*
Black oak	*Quercus velutina*
White oak group	
White oak	*Quercus alba*
Swamp white oak	*Quercus bicolor*
Overcup oak	*Quercus lyrata*
Bur oak	*Quercus macrocarpa*
Swamp chestnut oak	*Quercus michauxii*
Chinkapin oak	*Quercus muehlenbergii*
Post oak	*Quercus stellata*
Black locust	*Robinia pseudoacacia*
Black willow	*Salix nigra*
Sassafras	*Sassafras albidum*
American basswood	*Tilia americana*
Elm	
Winged elm	*Ulmus alata*
American elm	*Ulmus americana*
Slippery elm	*Ulmus rubra*
Rock elm	*Ulmus thomasii*

TABLE TITLES

Table 1.—*Number of active primary wood-using mills, Missouri, 1946, 1958, 1969, 1980, 1987, 1991, 1994, 1997, and 2000*

Table 2.—*Industrial roundwood receipts by species group and State of origin, Missouri, 2000*

Table 3.—*Industrial roundwood production by product and softwoods and hardwoods, Missouri, 1946, 1958, 1969, 1980, 1987, 1991, 1994, 1997, and 2000*

Table 4.—*Industrial roundwood production by Forest Survey Unit, species group, and product, Missouri, 2000*

Table 5.—*Industrial roundwood production by Forest Survey Unit, county, and species group, Missouri, 2000*

Table 6.—*Industrial roundwood production by Forest Survey Unit, species group, and State of destination, Missouri, 2000*

Table 7.—*Saw log receipts by Forest Survey Unit, species group, and State of origin, Missouri, 2000*

Table 8.—*Saw log production by Forest Survey Unit, county, and species group, Missouri, 2000*

Table 9.—*Saw log production by Forest Survey Unit, species group, and State of destination, Missouri, 2000*

Table 10.—*Pulpwood production by species group and Forest Survey Unit, Missouri, 2000*

Table 11.—*White oak cooperage production by Forest Survey Unit, Missouri, 1997 and 2000*

Table 12.—*Veneer log production by species group and Forest Survey Unit, Missouri, 2000*

Table 13.—*Charcoal production by species group and Forest Survey Unit, Missouri, 2000*

Table 14.—*Handle bolt production by species group and Forest Survey Unit, Missouri, 2000*

Table 15.—*Post production by species group and Forest Survey Unit, Missouri, 2000*

Table 16.—*Wood material harvested for industrial roundwood by species group and source of material, Missouri, 2000*

Table 17.—*Growing-stock removals from timberland for industrial roundwood by Forest Survey Unit, county, and species group, Missouri, 2000*

Table 18.—*Sawtimber removals from timberland for industrial roundwood by Forest Survey Unit, county, and species group, Missouri, 2000*

Table 19.—*Harvest residue generated by industrial roundwood harvesting by Forest Survey Unit, county, and species group, Missouri, 2000*

Table 20.—*Disposition of residues produced at primary wood-using mills by Forest Survey Unit, disposition, residue type, and softwoods and hardwoods, Missouri, 2000*

TABLES

Table 1. -- Number of active primary wood-using mills, Missouri, 1946, 1958, 1969, 1980, 1987, 1991, 1994, 1997, and 2000

Kind of mill and mill size	1946	1958	1969	1980	1987	1991	1994	1997	2000
Sawmills									
Large[1]	2	5	7	8	13	17	32	35	31
Medium[2]	43	103	117	163	169	172	189	212	185
Small[3]	2,548	882	425	315	228	206	191	170	187
Total	2,593	990	549	486	410	395	412	417	403
Cooperage mills	85	36	36	30	20	20	12	8	8
Veneer mills	6	3	4	4	5	4	1	1	1
Pulp mills	–	2	2	2	1	1	1	1	1
Charcoal[4]	3	60	52	36	15	14	14	10	6
Handle mills	19	12	7	10	6	6	5	6	4
Posts	6	14	22	28	23	17	9	9	8
Other products[5]	94	44	9	3	11	14	7	6	9
Total	213	171	132	113	81	76	49	41	37
All mills	2,806	1,161	681	599	491	471	461	458	440

[1] *Annual lumber production in excess of 5 million board feet.*

[2] *Annual lumber production from 1 million to 5 million board feet.*

[3] *Annual lumber production less than 1 million board feet.*

[4] *Includes only those charcoal operations using roundwood.*

[5] *Includes plants producing shavings, chips, cabin logs, rails, poles, etc.*

Table 2. -- Industrial roundwood receipts by species group and State of origin, Missouri, 2000

(In thousand cubic feet)

Species group	Total	State of origin											
		Arkansas	Illinois	Indiana	Iowa	Kansas	Kentucky	Michigan	Missouri	Nebraska	Ohio	Oklahoma	Other U.S.
Softwoods													
Eastern redcedar	3,607	112	–	–	–	1	–	–	3,494	–	–	–	–
Shortleaf pine	5,306	129	–	–	–	–	–	–	5,169	–	–	–	8
Other pines	4	–	–	–	–	1	–	–	3	–	–	–	–
Cypress	8	8	–	–	–	–	–	–	–	–	–	–	–
Total	8,924	249	–	–	–	2	–	–	8,665	–	–	–	8
Hardwoods													
Soft maple	4,258	15	218	–	274	25	–	–	3,644	82	–	–	*
Hard maple	598	2	32	–	–	–	–	16	512	–	16	5	16
River birch	57	6	–	–	–	–	–	–	52	–	–	–	–
Hickory	4,246	84	112	–	–	11	121	–	3,876	–	–	17	25
Pecan	95	–	–	–	–	59	–	–	36	–	–	–	–
Hackberry	317	33	21	–	–	7	2	–	253	–	–	*	2
Persimmon	*	–	–	–	–	–	–	–	*	–	–	–	–
Beech	6	6	–	–	–	–	–	–	*	–	–	–	–
Ash	1,049	11	78	–	15	18	2	–	923	–	–	–	2
Honeylocust	26	–	–	–	–	–	–	–	26	–	–	–	–
Black walnut	3,571	128	177	2	94	334	2	–	2,040	63	2	128	–
Sweetgum	249	34	19	–	–	–	7	–	184	–	–	–	5
Yellow-poplar	288	–	143	–	–	–	–	–	146	–	–	–	–
Osage-orange	2	–	–	–	–	–	–	–	2	–	–	–	–
Tupelo	71	16	–	–	–	–	–	–	55	–	–	–	–
Sycamore	2,547	53	45	–	19	8	–	–	2,421	–	–	1	–
Cottonwood	6,245	79	319	–	68	39	–	–	5,692	–	–	–	48
Black cherry	217	3	18	–	–	–	–	16	139	–	16	8	16
Red oak group	61,188	874	1,965	3	124	67	4	–	58,139	–	4	9	–
White oak group	32,893	371	1,080	302	106	362	167	–	30,457	–	37	11	–
Willow	8	–	–	–	–	–	–	–	8	–	–	–	–
Sassafras	3	1	–	–	–	–	–	–	1	–	–	2	–
Basswood	41	–	–	–	–	*	–	–	41	–	–	–	–
Elm	250	11	38	–	–	–	–	–	201	–	–	–	–
Other hardwoods	4	1	–	–	–	–	–	–	1	–	–	2	*
Total	118,230	1,726	4,264	307	701	929	306	32	109,448	146	75	184	113
State total	127,154	1,975	4,264	307	701	931	306	32	118,113	146	75	184	121

* *Less than 500 cubic feet.*

Table may not sum due to rounding.

Table 3. -- Industrial roundwood production by product and softwoods and hardwoods, Missouri, 1946, 1958, 1969, 1980, 1987, 1991, 1994, 1997, and 2000

(In million cubic feet)

Product	Year of survey								
	1946	1958	1969	1980	1987	1991	1994	1997	2000
SOFTWOODS									
Saw logs	8.3	4.1	3.3	5.5	7.8	7.5	9.3	9.5	6.5
Veneer logs	–	–	–	–	–	–	*	*	–
Pulpwood	0.1	0.1	–	–	–	–	*	0.1	–
Cooperage logs	–	–	–	–	–	–	–	–	–
Charcoal	–	–	–	–	–	–	*	*	–
Handle bolts	–	–	–	–	–	–	–	–	–
Poles	*	0.2	0.3	–	*	–	–	–	0.1
Posts	3.2	0.8	1.2	0.5	0.7	2.6	0.9	1.1	0.7
Mine timbers	*	*	–	–	–	–	–	–	–
Fuelwood[1]	0.2	0.2	0.1	–	–	*	–	–	–
Other products[2]	*	*	0.3	0.2	0.6	1.7	1.8	1.1	1.5
Total	11.8	5.4	5.2	6.2	9.1	11.8	12.1	11.9	8.8
HARDWOODS									
Saw logs	71.1	43.7	63.0	66.2	81.9	86.2	110.7	115.5	106.6
Veneer logs	1.4	1.0	1.0	0.7	1.0	1.7	1.1	0.9	0.7
Pulpwood	0.5	0.7	1.9	1.9	2.2	1.2	1.5	4.2	8.5
Charcoal	0.6	3.2	16.7	6.2	2.7	4.6	2.4	1.2	0.8
Cooperage logs	14.9	4.5	8.9	4.7	2.0	4.8	4.2	5.1	3.3
Handle bolts	1.3	1.2	0.4	–	0.1	0.2	0.2	0.3	0.1
Poles	–	–	*	–	0.1	–	–	–	–
Posts	7.8	8.8	1.3	1.2	0.6	0.5	0.2	0.3	0.1
Mine timbers	3.4	0.5	0.1	–	–	–	–	*	–
Fuelwood[1]	59.2	61.7	24.4	–	–	–	–	–	–
Other products[2]	2.2	5.7	0.7	0.4	0.2	10.4	0.3	0.2	0.2
Total	162.4	131.0	118.4	81.3	90.8	109.6	120.5	127.7	120.2
All products	174.2	136.4	123.6	87.5	99.9	121.4	132.6	139.6	129.0

* *Less than 50,000 cubic feet.*

[1] *Does not include residential fuelwood.*

[2] *Includes shavings, excelsior, cabin logs, rails, etc.*

Table may not sum due to rounding.

Table 4. -- Industrial roundwood production by Forest Survey Unit, species group, and product, Missouri, 2000

ALL UNITS

Species group	All products	Saw logs		Veneer logs		Pulpwood		Charcoal		Cooperage		Handles		Posts		Other products
	MCF [2]	MBF [1]	MCF [2]	MBF [1]	MCF [2]	Cords [3]	MCF [2]	Cords [3]	MCF [2]	MBF [1]	MCF [2]	MBF [1]	MCF [2]	M pieces	MCF [2]	MCF [2]
Softwoods																
Eastern redcedar	3,520	7,727	2,095	–	–	–	–	–	–	–	–	–	–	2	1	1,423
Shortleaf pine	5,239	25,160	4,370	–	–	–	–	–	–	–	–	–	–	945	728	141
Other pines	3	*	*	–	–	–	–	–	–	–	–	–	–	–	–	3
Total	8,762	32,887	6,466	–	–	–	–	–	–	–	–	–	–	947	729	1,567
Hardwoods																
Soft maple	3,890	22,055	3,633	11	3	2,965	234	–	–	–	–	–	–	–	–	21
Hard maple	626	3,126	515	187	43	826	65	48	3	–	–	–	–	–	–	–
River birch	52	265	44	–	–	–	–	–	–	–	–	–	–	–	–	8
Hickory	4,855	23,556	3,880	36	8	10,704	846	635	44	–	–	480	77	–	–	–
Pecan	41	229	38	9	2	–	–	15	1	–	–	–	–	–	–	–
Hackberry	263	1,541	254	–	–	–	–	–	–	–	–	10	2	–	–	8
Persimmon	1	6	1	–	–	–	–	1	*	–	–	–	–	–	–	–
Beech	*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	*
Ash	1,116	6,609	1,088	47	11	46	4	–	–	–	–	31	5	–	–	8
Honeylocust	26	156	26	–	–	–	–	–	–	–	–	–	–	–	–	–
Black walnut	2,961	12,522	2,741	1,011	219	–	–	–	–	–	–	–	–	–	–	–
Sweetgum	259	1,253	206	*	*	602	48	–	–	–	–	31	5	–	–	–
Yellow-poplar	244	1,400	231	57	13	–	–	–	–	–	–	–	–	–	–	–
Osage-orange	2	10	2	–	–	–	–	–	–	–	–	–	–	–	–	–
Tupelo	147	302	50	*	*	1,153	91	83	6	–	–	–	–	–	–	–
Sycamore	2,525	14,840	2,444	11	3	612	48	83	6	–	–	–	–	–	–	24
Cottonwood	6,183	39,848	5,635	–	–	6,173	488	–	–	–	–	–	–	–	–	61
Black cherry	165	845	139	86	20	–	–	88	6	–	–	–	–	–	–	–
Red oak group	62,163	326,653	58,144	314	72	42,841	3,384	7,556	529	–	–	–	–	53	31	3
White oak group	34,326	153,224	27,274	1,461	334	40,463	3,197	3,210	225	19,813	3,265	–	–	48	28	4
Willow	8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	8
Sassafras	1	–	–	–	–	–	–	16	1	–	–	–	–	–	–	–
Basswood	41	197	32	–	–	–	–	–	–	–	–	–	–	–	–	9
Elm	315	1,241	204	1	*	1,403	111	–	–	–	–	–	–	–	–	–
Mulberry	1	–	–	–	–	–	–	15	1	–	–	–	–	–	–	–
Total	120,212	609,879	106,580	3,234	728	107,789	8,515	11,750	822	19,813	3,265	552	89	101	58	155
State total	128,974	642,766	113,046	3,234	728	107,789	8,515	11,750	822	19,813	3,265	552	89	1,048	787	1,721

(Table 4 continued on next page)

(Table 4 continued)

EASTERN OZARK UNIT

Species group	All products	Saw logs		Veneer logs		Pulpwood		Charcoal		Cooperage		Handles		Posts		Other products
	MCF [2]	MBF [1]	MCF [2]	MBF [1]	MCF [2]	Cords [3]	MCF [2]	Cords [3]	MCF [2]	MBF [1]	MCF [2]	MBF [1]	MCF [2]	M pieces	MCF [2]	MCF [2]
Softwoods																
Eastern redcedar	557	1,452	394	–	–	–	–	–	–	–	–	–	–	–	–	163
Shortleaf pine	4,496	22,054	3,831	–	–	–	–	–	–	–	–	–	–	688	530	135
Total	5,053	23,506	4,225	–	–	–	–	–	–	–	–	–	–	688	530	298
Hardwoods																
Soft maple	100	583	96	–	–	48	4	–	–	–	–	–	–	–	–	–
Hard maple	333	1,752	289	46	10	425	34	–	–	–	–	–	–	–	–	–
River birch	*	1	*	–	–	–	–	–	–	–	–	–	–	–	–	–
Hickory	2,586	12,702	2,092	15	3	6,049	478	181	13	–	–	–	–	–	–	–
Pecan	1	–	–	3	1	–	–	–	–	–	–	–	–	–	–	–
Hackberry	2	14	2	–	–	–	–	–	–	–	–	–	–	–	–	–
Persimmon	*	2	*	–	–	–	–	–	–	–	–	–	–	–	–	–
Ash	243	1,443	238	14	3	26	2	–	–	–	–	–	–	–	–	–
Black walnut	215	971	212	14	3	–	–	–	–	–	–	–	–	–	–	–
Sweetgum	106	642	106	–	–	–	–	–	–	–	–	–	–	–	–	–
Yellow-poplar	88	506	83	19	4	–	–	–	–	–	–	–	–	–	–	–
Tupelo	97	287	47	*	*	600	47	25	2	–	–	–	–	–	–	–
Sycamore	473	2,721	448	–	–	289	23	25	2	–	–	–	–	–	–	–
Cottonwood	73	489	69	–	–	50	4	–	–	–	–	–	–	–	–	–
Black cherry	79	396	65	59	14	–	–	–	–	–	–	–	–	–	–	–
Red oak group	32,766	171,491	30,525	47	11	24,319	1,921	4,301	301	–	–	–	–	14	8	–
White oak group	15,543	68,890	12,262	24	6	22,852	1,805	1,950	137	8,055	1,327	–	–	11	6	–
Elm	137	583	96	1	*	519	41	–	–	–	–	–	–	–	–	–
Total	52,842	263,474	46,633	241	55	55,177	4,359	6,482	454	8,055	1,327	–	–	25	14	–
Unit total	57,895	286,980	50,857	241	55	55,177	4,359	6,482	454	8,055	1,327	–	–	713	544	298

SOUTHWESTERN OZARK UNIT

Softwoods																
Eastern redcedar	1,224	4,381	1,188	–	–	–	–	–	–	–	–	–	–	–	–	35
Shortleaf pine	652	2,629	457	–	–	–	–	–	–	–	–	–	–	246	189	6
Total	1,876	7,009	1,645	–	–	–	–	–	–	–	–	–	–	246	189	41
Hardwoods																
Soft maple	6	26	4	–	–	17	1	–	–	–	–	–	–	–	–	*
Hard maple	15	–	–	–	–	148	12	43	3	–	–	–	–	–	–	–
River birch	*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	*
Hickory	695	3,026	498	–	–	2,109	167	394	28	–	–	15	2	–	–	–
Pecan	*	2	*	–	–	–	–	–	–	–	–	–	–	–	–	–
Hackberry	6	33	5	–	–	–	–	–	–	–	–	–	–	–	–	*
Beech	*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	*
Ash	80	463	76	9	2	9	1	–	–	–	–	7	1	–	–	–
Black walnut	679	3,044	666	59	13	–	–	–	–	–	–	–	–	–	–	–
Sweetgum	51	311	51	–	–	–	–	–	–	–	–	–	–	–	–	–
Yellow-poplar	44	265	44	–	–	–	–	–	–	–	–	–	–	–	–	–
Tupelo	21	12	2	–	–	209	17	33	2	–	–	–	–	–	–	–
Sycamore	185	1,057	174	–	–	100	8	33	2	–	–	–	–	–	–	*
Cottonwood	23	150	21	–	–	18	1	–	–	–	–	–	–	–	–	–
Black cherry	31	147	24	5	1	–	–	73	5	–	–	–	–	–	–	–
Red oak group	11,040	56,962	10,139	45	10	8,478	670	3,030	212	–	–	–	–	12	7	2
White oak group	5,336	24,799	4,414	7	2	7,967	629	1,135	79	1,235	203	–	–	9	5	2
Sassafras	1	–	–	–	–	–	–	15	1	–	–	–	–	–	–	–
Elm	15	1	*	*	*	181	14	–	–	–	–	–	–	–	–	–
Mulberry	1	–	–	–	–	–	–	15	1	–	–	–	–	–	–	–
Total	18,228	90,299	16,121	126	28	19,236	1,520	4,770	334	1,235	203	22	4	21	12	6
Unit total	20,103	97,308	17,766	126	28	19,236	1,520	4,770	334	1,235	203	22	4	267	202	48

(Table 4 continued on next page)

(Table 4 continued)

NORTHWESTERN OZARK UNIT

Species group	All products	Saw logs		Veneer logs		Pulpwood		Charcoal		Cooperage		Handles		Posts		Other products
	MCF [2]	MBF [1]	MCF [2]	MBF [1]	MCF [2]	Cords [3]	MCF [2]	Cords [3]	MCF [2]	MBF [1]	MCF [2]	MBF [1]	MCF [2]	M pieces	MCF [2]	MCF [2]
Softwoods																
Eastern redcedar	686	1,060	287	–	–	–	–	–	–	–	–	–	–	2	1	397
Shortleaf pine	64	360	63	–	–	–	–	–	–	–	–	–	–	2	2	–
Total	750	1,420	350	–	–	–	–	–	–	–	–	–	–	4	3	397
Hardwoods																
Soft maple	57	315	52	–	–	–	–	–	–	–	–	–	–	–	–	6
Hard maple	26	156	26	–	–	–	–	3	*	–	–	–	–	–	–	–
River birch	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2
Hickory	263	1,573	259	–	–	–	–	50	4	–	–	–	–	–	–	–
Pecan	2	5	1	2	*	–	–	8	1	–	–	–	–	–	–	–
Hackberry	5	16	3	–	–	–	–	–	–	–	–	–	–	–	–	2
Persimmon	*	–	–	–	–	–	–	1	*	–	–	–	–	–	–	–
Ash	45	257	42	–	–	–	–	–	–	–	–	–	–	–	–	2
Black walnut	125	536	117	35	7	–	–	–	–	–	–	–	–	–	–	–
Tupelo	2	–	–	–	–	–	–	25	2	–	–	–	–	–	–	–
Sycamore	266	1,568	258	–	–	–	–	25	2	–	–	–	–	–	–	6
Cottonwood	63	403	57	–	–	–	–	–	–	–	–	–	–	–	–	6
Black cherry	12	70	12	–	–	–	–	8	1	–	–	–	–	–	–	–
Red oak group	5,194	29,002	5,162	–	–	–	–	225	16	–	–	–	–	26	15	1
White oak group	3,873	17,616	3,136	86	20	–	–	123	9	4,201	692	–	–	26	15	2
Willow	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2
Sassafras	*	–	–	–	–	–	–	1	*	–	–	–	–	–	–	–
Basswood	2		–		–		–		–		–		–		–	2
Elm	5	33	5	–	–	–	–	–	–	–	–	–	–	–	–	–
Total	9,943	51,550	9,130	122	27	–	–	469	33	4,201	692	–	–	52	30	31
Unit total	10,694	52,970	9,480	122	27	–	–	469	33	4,201	692	–	–	56	33	428

PRAIRIE UNIT

Softwoods																
Eastern redcedar	5	10	3	–	–	–	–	–	–	–	–	–	–	–	–	3
Other pines	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3
Total	8	10	3	–	–	–	–	–	–	–	–	–	–	–	–	5
Hardwoods																
Soft maple	3,155	17,893	2,947	11	3	2,479	196	–	–	–	–	–	–	–	–	9
Hard maple	117	490	81	131	30	81	6	2	*	–	–	–	–	–	–	–
River birch	43	243	40	–	–	–	–	–	–	–	–	–	–	–	–	3
Hickory	578	3,404	561	14	3	101	8	10	1	–	–	33	5	–	–	–
Pecan	36	212	35	4	1	–	–	7	*	–	–	–	–	–	–	–
Hackberry	227	1,357	223	–	–	–	–	–	–	–	–	–	–	–	–	3
Ash	529	3,169	522	6	1	–	–	–	–	–	–	14	2	–	–	3
Honeylocust	22	136	22	–	–	–	–	–	–	–	–	–	–	–	–	–
Black walnut	1,439	6,014	1,316	564	122	–	–	–	–	–	–	–	–	–	–	–
Sweetgum	38	28	5	–	–	422	33	–	–	–	–	–	–	–	–	–
Osage-orange	2	10	2	–	–	–	–	–	–	–	–	–	–	–	–	–
Tupelo	8	–	–	–	–	102	8	–	–	–	–	–	–	–	–	–
Sycamore	1,066	6,324	1,042	11	3	107	8	–	–	–	–	–	–	–	–	13
Cottonwood	5,121	33,287	4,707	–	–	4,606	364	–	–	–	–	–	–	–	–	50
Black cherry	7	35	6	1	*	–	–	7	*	–	–	–	–	–	–	–
Red oak group	7,469	41,718	7,426	114	26	213	17	–	–	–	–	–	–	–	–	–
White oak group	5,038	24,142	4,297	605	138	407	32	2	*	3,460	570	–	–	–	–	–
Willow	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3
Basswood	36	190	31	–	–	–	–	–	–	–	–	–	–	–	–	4
Elm	117	474	78	*	*	493	39	–	–	–	–	–	–	–	–	–
Total	25,049	139,126	23,340	1,462	328	9,011	712	28	2	3,460	570	47	8	–	–	90
Unit total	25,057	139,135	23,343	1,462	328	9,011	712	28	2	3,460	570	47	8	–	–	95

(Table 4 continued on next page)

(Table 4 continued)

RIVERBORDER UNIT

Species group	All products	Saw logs		Veneer logs		Pulpwood		Charcoal		Cooperage		Handles		Posts		Other products
	MCF [2]	MBF [1]	MCF [2]	MBF [1]	MCF [2]	Cords [3]	MCF [2]	Cords [3]	MCF [2]	MBF [1]	MCF [2]	MBF [1]	MCF [2]	M pieces	MCF [2]	MCF [2]
Softwoods																
Eastern redcedar	1,049	825	224	–	–	–	–	–	–	–	–	–	–	–	–	825
Shortleaf pine	27	117	20	–	–	–	–	–	–	–	–	–	–	9	7	–
Other pines	*	*	*	–	–	–	–	–	–	–	–	–	–	–	–	–
Total	1,076	942	244	–	–	–	–	–	–	–	–	–	–	9	7	825
Hardwoods																
Soft maple	572	3,237	533	–	–	421	33	–	–	–	–	–	–	–	–	6
Hard maple	136	728	120	10	2	172	14	–	–	–	–	–	–	–	–	–
River birch	6	21	3	–	–	–	–	–	–	–	–	–	–	–	–	2
Hickory	734	2,852	470	8	2	2,445	193	–	–	–	–	431	69	–	–	–
Pecan	2	11	2	–	–	–	–	–	–	–	–	–	–	–	–	–
Hackberry	24	121	20	–	–	–	–	–	–	–	–	10	2	–	–	2
Persimmon	1	3	1	–	–	–	–	–	–	–	–	–	–	–	–	–
Ash	219	1,276	210	18	4	11	1	–	–	–	–	10	2	–	–	2
Honeylocust	3	21	3	–	–	–	–	–	–	–	–	–	–	–	–	–
Black walnut	502	1,958	429	340	74	–	–	–	–	–	–	–	–	–	–	–
Sweetgum	64	272	45	*	*	181	14	–	–	–	–	31	5	–	–	–
Yellow-poplar	113	630	104	39	9	–	–	–	–	–	–	–	–	–	–	–
Tupelo	20	2	*	*	*	242	19	–	–	–	–	–	–	–	–	–
Sycamore	537	3,170	522	–	–	116	9	–	–	–	–	–	–	–	–	6
Cottonwood	904	5,518	780	–	–	1,498	118	–	–	–	–	–	–	–	–	6
Black cherry	37	197	32	20	4	–	–	–	–	–	–	–	–	–	–	–
Red oak group	5,694	27,479	4,891	109	25	9,831	777	–	–	–	–	–	–	2	1	–
White oak group	4,536	17,777	3,164	739	169	9,238	730	–	–	2,863	472	–	–	2	1	–
Willow	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2
Basswood	3	8	1	–	–	–	–	–	–	–	–	–	–	–	–	2
Elm	41	149	25	*	*	210	17	–	–	–	–	–	–	–	–	–
Total	14,149	65,430	11,356	1,283	289	24,365	1,925	–	–	2,863	472	483	78	3	2	28
Unit total	15,225	66,372	11,600	1,283	289	24,365	1,925	–	–	2,863	472	483	78	12	9	852

* *Less than 1/2 unit of measure.*

[1] *Thousand board feet, International 1/4-inch rule.*

[2] *Thousand cubic feet.*

[3] *Standard cords are 128 cubic feet consisting of 79 cubic feet of wood and 49 cubic feet of bark and air space.*

Table may not sum due to rounding.

Table 5. -- Industrial roundwood production by Forest Survey Unit, county, and species group, Missouri, 2000

(In thousand cubic feet)

Forest Survey Unit and county	All species	Softwoods				Hardwoods									
		Eastern redcedar	Shortleaf pine	Other pines	Total softwoods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hackberry	Persim-mon	Beech	Ash	Honey-locust
Eastern Ozark Unit															
Bollinger	2,833	–	44	–	44	39	57	*	241	–	–	–	–	30	–
Butler	932	7	251	–	258	1	*	–	64	–	*	*	–	1	–
Carter	3,366	13	403	–	417	1	–	–	198	–	*	–	–	3	–
Crawford	3,560	136	113	–	249	–	21	–	76	–	–	–	–	–	–
Dent	4,715	3	462	–	465	9	50	–	106	–	–	–	–	4	–
Iron	5,138	11	189	–	201	–	56	–	149	–	–	–	–	11	–
Madison	4,304	5	274	–	279	1	29	–	255	–	–	–	–	12	–
Oregon	4,740	–	192	–	192	2	–	–	174	–	*	–	–	*	–
Reynolds	6,339	6	714	–	720	–	15	–	175	–	–	–	–	–	–
Ripley	3,959	9	302	–	311	5	3	–	260	1	1	–	–	93	–
Shannon	6,754	65	744	–	809	7	1	–	242	–	–	–	–	10	–
St. Francois	449	117	–	–	117	2	2	–	10	–	–	–	–	3	–
Washington	3,168	149	320	–	469	4	33	–	52	–	–	–	–	11	–
Wayne	7,637	35	488	–	523	28	66	–	584	–	*	–	–	64	–
Total	57,895	557	4,496	–	5,053	100	333	*	2,586	1	2	*	–	243	–
Southwestern Ozark Unit															
Barry	1,042	29	6	–	35	*	–	*	49	–	*	–	*	21	–
Christian	126	83	–	–	83	–	–	–	–	–	–	–	–	–	–
Douglas	2,120	162	9	–	171	–	–	–	91	–	–	–	–	11	–
Howell	4,008	73	47	–	121	1	–	–	77	–	–	–	–	1	–
McDonald	1,496	–	–	–	–	–	3	–	57	–	5	–	–	11	–
Newton	2,112	–	–	–	–	4	12	–	169	*	1	–	–	2	–
Ozark	1,957	223	2	–	225	–	–	–	66	–	–	–	–	2	–
Stone	236	25	–	–	25	–	–	–	1	–	–	–	–	*	–
Taney	715	555	–	–	555	–	–	–	–	–	–	–	–	–	–
Texas	4,566	–	583	–	583	1	–	–	138	–	–	–	–	6	–
Webster	200	–	–	–	–	–	–	–	7	–	–	–	–	6	–
Wright	1,524	73	5	–	78	–	–	–	40	–	–	–	–	20	–
Total	20,103	1,224	652	–	1,876	6	15	*	695	*	6	–	*	80	–
Northwestern Ozark Unit															
Benton	464	29	–	–	29	3	–	1	4	–	1	–	–	1	–
Camden	1,492	140	7	–	147	–	–	–	38	–	–	–	–	3	–
Cedar	484	3	–	–	3	32	–	–	7	*	1	–	–	31	–
Dallas	179	–	–	–	–	–	–	–	1	–	–	–	–	1	–
Hickory	577	60	19	–	80	–	–	–	–	*	–	–	–	–	–
Laclede	1,199	38	–	–	38	–	–	–	49	–	–	–	–	1	–
Maries	753	136	9	–	145	3	–	–	15	–	–	–	–	–	–
Miller	793	93	4	–	97	2	2	–	3	–	–	–	–	–	–
Morgan	853	29	–	–	29	4	*	1	9	1	1	*	–	1	–
Phelps	2,137	142	10	–	152	–	21	–	78	–	–	–	–	–	–
Polk	388	1	3	–	5	2	3	–	13	*	1	–	–	3	–
Pulaski	1,200	10	11	–	21	–	–	–	45	–	–	–	–	–	–
St. Clair	174	3	–	–	3	11	–	–	–	1	1	–	–	3	–
Total	10,694	686	64	–	750	57	26	2	263	2	5	*	–	45	–

(Table 5 continued on next page)

(Table 5 continued)

Forest Survey Unit and county	All species	Softwoods				Hardwoods									
		Eastern redcedar	Shortleaf pine	Other pines	Total softwoods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hackberry	Per-simmon	Beech	Ash	Honey-locust
Prairie Unit															
Adair	605	*	–	–	*	39	*	5	18	–	2	–	–	7	*
Andrew	304	–	–	–	–	113	9	–	*	–	2	–	–	*	–
Atchison	148	–	–	–	–	102	–	–	–	–	1	–	–	–	–
Audrain	411	–	–	–	–	6	1	3	18	–	1	–	–	6	*
Barton	766	–	–	–	–	68	–	–	24	*	40	–	–	49	–
Bates	629	–	–	–	–	121	–	4	21	20	21	–	–	36	–
Buchanan	346	–	–	–	–	113	9	–	*	–	2	–	–	*	–
Caldwell	342	–	–	–	–	98	3	–	1	*	16	–	–	10	–
Carroll	825	–	–	–	–	139	3	–	1	–	1	–	–	12	–
Cass	40	–	–	–	–	1	–	–	–	–	–	–	–	–	–
Chariton	912	*	–	–	*	139	–	2	39	*	2	–	–	21	8
Clark	1,058	–	–	–	–	136	2	13	24	–	3	–	–	24	–
Clay	133	1	–	1	2	20	3	–	1	–	1	–	–	1	–
Clinton	423	–	–	–	–	132	3	–	1	–	17	–	–	5	–
Cooper	469	*	–	–	*	86	*	2	6	1	2	–	–	8	1
Dade	305	–	–	–	–	2	–	–	2	*	1	–	–	1	–
Daviess	777	–	–	–	–	105	3	–	4	*	23	–	–	17	–
De Kalb	300	–	–	–	–	29	3	–	1	–	16	–	–	5	–
Gentry	180	–	–	–	–	7	–	–	*	–	*	–	–	5	–
Greene	166	–	–	–	–	–	–	–	–	–	–	–	–	*	–
Grundy	536	–	–	–	–	180	–	–	4	–	8	–	–	11	–
Harrison	319	–	–	–	–	106	–	–	1	*	2	–	–	10	–
Henry	478	–	–	–	–	86	–	–	14	5	5	–	–	23	–
Holt	155	–	–	–	–	102	–	–	–	–	1	–	–	–	–
Jackson	428	1	–	1	2	*	–	–	–	–	–	–	–	–	–
Jasper	67	–	–	–	–	2	–	–	1	*	1	–	–	1	–
Johnson	29	–	–	–	–	11	–	–	–	–	–	–	–	3	–
Knox	363	–	–	–	–	38	–	5	9	–	2	–	–	6	*
Lafayette	121	–	–	–	–	22	–	–	–	–	–	–	–	6	–
Lawrence	519	–	–	–	–	2	–	–	–	*	1	–	–	1	–
Lewis	416	1	–	–	1	76	4	–	9	–	2	–	–	7	–
Lincoln	582	–	–	–	–	15	6	–	14	–	1	–	–	44	–
Linn	981	*	–	–	*	116	–	1	31	–	2	–	–	13	1
Livingston	1,110	–	–	–	–	263	–	–	23	*	10	–	–	22	–
Macon	847	*	–	–	*	60	*	2	31	–	6	–	–	16	2
Marion	393	–	–	–	–	13	7	–	23	–	4	–	–	8	–
Mercer	180	–	–	–	–	36	–	–	–	–	–	–	–	7	–
Monroe	1,189	*	–	–	*	26	7	1	64	*	1	–	–	11	*
Nodaway	6	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pettis	63	–	–	–	–	15	–	1	*	*	1	–	–	5	–
Pike	768	–	–	–	–	70	15	–	26	–	2	–	–	25	–
Platte	140	1	–	1	2	11	3	–	–	–	*	–	–	–	–
Putnam	445	–	–	–	–	34	–	–	10	–	–	–	–	1	–
Ralls	462	–	–	–	–	14	11	–	20	–	4	–	–	8	–
Randolph	1,384	*	–	–	*	46	–	3	14	1	3	–	–	22	8
Ray	342	–	–	–	–	32	3	–	10	–	–	–	–	6	–
Saline	599	–	–	–	–	58	–	1	10	*	1	–	–	8	–
Schuyler	355	–	–	–	–	36	–	–	5	–	7	–	–	8	1
Scotland	574	–	–	–	–	49	24	–	28	–	–	–	–	7	–
Shelby	763	*	–	–	*	44	–	*	18	–	1	–	–	5	*
Sullivan	294	–	–	–	–	31	–	–	18	–	–	–	–	3	–
Vernon	975	–	–	–	–	94	–	–	33	9	12	–	–	29	–
Worth	36	–	–	–	–	6	–	–	1	–	1	–	–	1	–
Total	25,057	5	–	2	8	3,155	117	43	578	36	227	–	–	529	22

(Table 5 continued on next page)

(Table 5 continued)

Forest Survey Unit and county	All species	Softwoods				Hardwoods									
		Eastern redcedar	Shortleaf pine	Other pines	Total softwoods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hackberry	Per-simmon	Beech	Ash	Honey-locust
Riverborder Unit															
Boone	466	136	–	–	136	10	1	1	9	–	3	–	–	8	1
Callaway	483	126	–	–	126	16	1	–	6	–	1	–	–	6	–
Cape Girardeau	1,477	–	–	–	–	10	31	–	94	–	7	*	–	29	–
City Of St. Louis	51	–	–	–	–	–	–	–	1	–	–	–	–	–	–
Cole	16	–	–	–	–	*	–	–	–	–	–	–	–	5	–
Dunklin	172	–	–	–	–	6	3	–	12	–	–	–	–	9	–
Franklin	648	107	10	–	116	6	10	–	13	2	2	*	–	7	–
Gasconade	871	151	–	–	151	8	11	–	20	–	–	–	–	4	–
Howard	2,306	*	–	–	*	358	–	2	261	*	2	–	–	26	2
Jefferson	553	91	–	–	91	–	4	–	15	–	1	–	–	–	–
Mississippi	149	–	–	–	–	1	*	–	5	–	–	–	–	*	–
Moniteau	74	39	–	–	39	3	–	1	–	–	1	–	–	1	–
Montgomery	645	36	–	–	36	28	*	–	5	–	2	–	–	3	–
New Madrid	1,867	–	–	–	–	3	13	–	188	–	–	–	–	1	–
Osage	1,057	339	–	–	339	31	*	–	–	–	–	–	–	7	–
Pemiscot	156	–	–	–	–	2	–	–	–	–	–	–	–	–	–
Perry	2,155	5	7	–	12	14	23	–	41	–	1	*	–	49	–
Scott	275	–	–	–	–	3	7	–	4	–	1	–	–	7	–
St. Charles	239	*	–	*	*	25	6	–	6	–	1	*	–	17	–
St. Louis	152	*	2	*	2	17	–	–	–	–	–	*	–	*	–
Ste. Genevieve	525	16	9	–	25	11	12	–	31	–	1	*	–	23	–
Stoddard	543	–	–	–	–	9	8	1	19	–	–	–	–	18	–
Warren	344	*	–	–	*	9	6	–	6	–	1	*	–	1	–
Total	15,225	1,049	27	*	1,076	572	136	6	734	2	24	1	–	219	3
State total	128,974	3,520	5,239	3	8,762	3,890	626	52	4,855	41	263	1	*	1,116	26

(Table 5 continued on next page)

(Table 5 continued)

Forest Survey Unit and county	Hardwoods															
	Black walnut	Sweet-gum	Yellow-poplar	Osage-orange	Tupelo	Sycamore	Cotton-wood	Black cherry	Red oak group	White oak group	Willow	Sassafras	Basswood	Elm	Mulberry	Total hardwoods
Eastern Ozark Unit																
Bollinger	4	14	26	–	12	25	1	8	1,224	1,101	–	–	–	7	–	2,789
Butler	–	19	*	–	*	4	8	*	355	216	–	–	–	6	–	675
Carter	18	3	–	–	*	10	*	–	1,960	756	–	–	–	–	–	2,950
Crawford	–	–	–	–	–	53	18	–	1,835	1,301	–	–	–	8	–	3,311
Dent	44	–	–	–	2	67	3	4	2,649	1,312	–	–	–	–	–	4,251
Iron	18	–	11	–	3	12	1	13	3,560	1,100	–	–	–	1	–	4,937
Madison	15	*	13	–	21	41	1	12	2,230	1,384	–	–	–	12	–	4,025
Oregon	18	–	–	–	–	85	*	9	3,344	909	–	–	–	7	–	4,548
Reynolds	2	*	–	–	1	13	12	–	4,009	1,390	–	–	–	1	–	5,619
Ripley	18	47	14	–	–	63	11	–	2,146	986	–	–	–	*	–	3,648
Shannon	42	–	–	–	11	11	–	–	3,972	1,625	–	–	–	25	–	5,945
St. Francois	3	–	–	–	–	7	2	1	148	148	–	–	–	4	–	332
Washington	17	2	11	–	–	32	6	12	1,639	871	–	–	–	8	–	2,699
Wayne	18	21	12	–	46	50	10	20	3,696	2,444	–	–	–	57	–	7,114
Total	215	106	88	–	97	473	73	79	32,766	15,543	–	–	–	137	–	52,842
Southwestern Ozark Unit																
Barry	49	30	23	–	–	5	12	1	497	320	–	–	–	–	–	1,008
Christian	31	–	–	–	–	–	–	–	3	9	–	–	–	–	–	43
Douglas	64	–	–	–	–	16	–	7	1,235	525	–	–	–	–	–	1,949
Howell	62	–	–	–	1	23	–	–	2,531	1,192	–	–	–	–	–	3,888
McDonald	54	21	21	–	–	51	9	5	930	327	–	1	–	*	1	1,496
Newton	55	–	–	–	17	20	2	–	982	835	–	–	–	14	–	2,112
Ozark	64	–	–	–	–	16	–	4	1,192	387	–	–	–	–	–	1,732
Stone	71	–	–	–	–	–	–	–	97	42	–	–	–	–	–	211
Taney	62	–	–	–	–	3	–	–	59	37	–	–	–	–	–	160
Texas	62	–	–	–	3	41	–	4	2,581	1,147	–	–	–	–	–	3,983
Webster	44	–	–	–	–	–	–	2	68	73	–	–	–	*	–	200
Wright	62	–	–	–	1	9	–	7	866	441	–	–	–	*	–	1,446
Total	679	51	44	–	21	185	23	31	11,040	5,336	–	1	–	15	1	18,228
Northwestern Ozark Unit																
Benton	1	–	–	–	–	7	3	–	195	216	1	–	1	–	–	434
Camden	12	–	–	–	–	24	–	7	741	521	–	–	–	–	–	1,345
Cedar	2	–	–	–	–	10	*	–	234	164	–	–	–	*	–	481
Dallas	*	–	–	–	–	–	–	–	35	142	–	–	–	–	–	179
Hickory	*	–	–	–	–	–	–	–	358	139	–	–	–	–	–	497
Laclede	*	–	–	–	1	60	–	–	563	481	–	–	–	5	–	1,161
Maries	–	–	–	–	–	28	51	–	231	279	–	–	–	–	–	608
Miller	8	–	–	–	–	10	4	–	460	210	–	–	–	–	–	697
Morgan	–	–	–	–	–	14	4	1	665	120	1	*	1	–	–	824
Phelps	10	–	–	–	1	77	–	2	1,033	763	–	–	–	–	–	1,985
Polk	31	–	–	–	–	*	*	–	94	235	–	–	–	*	–	383
Pulaski	60	–	–	–	–	33	–	2	546	492	–	–	–	–	–	1,179
St. Clair	1	–	–	–	–	2	*	–	39	112	–	–	–	*	–	171
Total	125	–	–	–	2	266	63	12	5,194	3,873	2	*	2	5	–	9,943

(Table 5 continued on next page)

(Table 5 continued)

Forest Survey Unit and county	Hardwoods															
	Black walnut	Sweet-gum	Yellow-poplar	Osage-orange	Tupelo	Sycamore	Cotton-wood	Black cherry	Red oak group	White oak group	Willow	Sassafras	Basswood	Elm	Red mulberry	Total hardwoods
Prairie Unit																
Adair	8	–	–	–	–	10	77	*	261	169	–	–	*	8	–	605
Andrew	55	–	–	–	–	15	83	–	20	7	–	–	1	–	–	304
Atchison	29	–	–	–	–	1	–	–	13	–	–	–	1	–	–	148
Audrain	2	–	–	*	–	21	19	–	207	123	–	–	*	2	–	411
Barton	47	–	–	–	–	15	6	–	264	251	–	–	–	*	–	766
Bates	86	–	–	–	–	51	7	–	186	72	–	–	4	*	–	629
Buchanan	59	–	–	–	–	21	113	–	20	8	–	–	1	–	–	346
Caldwell	17	–	–	–	–	16	115	–	24	42	–	–	–	1	–	342
Carroll	16	–	–	–	–	61	287	–	217	88	–	–	–	1	–	825
Cass	26	–	–	–	–	1	–	–	–	12	–	–	–	–	–	40
Chariton	36	–	–	–	–	56	297	1	213	96	–	–	–	3	–	912
Clark	21	–	–	–	8	46	179	–	291	291	–	–	*	21	–	1,058
Clay	15	–	–	–	–	12	47	–	16	14	–	–	*	1	–	131
Clinton	53	–	–	–	–	21	103	–	35	51	–	–	1	1	–	423
Cooper	2	26	–	–	–	16	236	1	47	35	1	–	1	*	–	468
Dade	54	–	–	–	–	15	*	–	141	88	–	–	–	*	–	305
Daviess	138	–	–	–	–	42	270	1	96	72	–	–	7	1	–	777
De Kalb	27	–	–	–	–	20	110	–	26	62	–	–	–	1	–	300
Gentry	34	–	–	–	–	9	80	*	37	7	–	–	–	–	–	180
Greene	37	–	–	–	–	–	–	–	21	108	–	–	–	–	–	166
Grundy	2	–	–	–	–	27	190	–	46	60	–	–	7	1	–	536
Harrison	2	–	–	–	–	10	109	–	45	33	–	–	–	1	–	319
Henry	–	–	–	–	–	14	27	–	197	104	–	–	–	5	–	478
Holt	27	–	–	–	–	1	8	–	15	–	–	–	1	–	–	155
Jackson	–	–	–	–	–	2	417	–	1	6	–	–	*	–	–	426
Jasper	33	–	–	–	–	10	6	–	9	3	–	–	–	*	–	67
Johnson	*	–	–	–	–	–	4	–	5	6	–	–	–	–	–	29
Knox	9	–	–	–	–	14	39	*	130	104	–	–	*	8	–	363
Lafayette	1	–	–	–	–	11	37	*	27	18	–	–	–	–	–	121
Lawrence	72	–	–	–	–	5	*	*	236	201	–	–	–	*	–	519
Lewis	11	4	–	–	–	6	89	–	82	115	–	–	1	9	–	415
Lincoln	45	–	–	–	–	19	37	–	157	244	–	–	–	–	–	582
Linn	2	–	–	–	–	62	345	*	294	112	–	–	–	3	–	981
Livingston	122	–	–	–	–	54	403	1	144	61	–	–	7	2	–	1,110
Macon	35	–	–	–	–	27	111	1	361	187	–	–	*	7	–	846
Marion	13	–	–	–	–	15	30	–	105	176	–	–	–	1	–	393
Mercer	*	–	–	–	–	9	69	–	40	18	–	–	–	–	–	180
Monroe	13	–	–	1	–	69	58	*	566	369	–	–	*	3	–	1,189
Nodaway	2	–	–	–	–	–	3	–	–	1	–	–	–	–	–	6
Pettis	*	–	–	–	–	4	6	*	6	21	1	–	1	–	–	63
Pike	32	–	–	1	–	15	45	–	308	209	–	–	–	20	–	768
Platte	15	–	–	–	–	15	88	–	4	2	–	–	*	–	–	138
Putnam	4	–	–	–	–	20	142	–	123	110	–	–	*	–	–	445
Ralls	16	–	–	*	–	19	50	–	135	183	–	–	–	1	–	462
Randolph	87	4	–	–	–	30	102	1	784	273	–	–	1	4	–	1,384
Ray	16	–	–	–	–	31	145	–	75	24	–	–	–	–	–	342
Saline	34	–	–	–	–	60	154	1	184	84	1	–	1	–	–	599
Schuyler	6	–	–	–	–	–	90	–	71	123	–	–	–	7	–	355
Scotland	9	5	–	–	–	5	80	–	182	181	–	–	*	5	–	574
Shelby	35	–	–	–	–	22	63	*	460	114	–	–	–	1	–	763
Sullivan	3	–	–	–	–	18	84	–	63	73	–	–	–	–	–	294
Vernon	28	–	–	–	–	22	53	–	475	219	–	–	–	*	–	975
Worth	*	–	–	–	–	1	8	–	6	10	–	–	–	1	–	36
Total	1,439	38	–	2	8	1,066	5,121	7	7,469	5,038	3	–	36	117	–	25,049

(Table 5 continued on next page)

(Table 5 continued)

Forest Survey Unit and county	Hardwoods															
	Black walnut	Sweet-gum	Yellow-poplar	Osage-orange	Tupelo	Sycamore	Cotton-wood	Black cherry	Red oak group	White oak group	Willow	Sassafras	Basswood	Elm	Red mulberry	Total hardwoods
Riverborder Unit																
Boone	43	–	–	–	–	18	10	1	131	89	–	–	*	3	–	329
Callaway	2	–	–	–	–	21	49	1	109	142	–	–	1	2	–	357
Cape Girardeau	48	17	40	–	*	17	12	4	589	581	–	–	–	*	–	1,477
City Of St. Louis	–	–	–	–	–	1	–	–	36	14	–	–	–	–	–	51
Cole	*	–	–	–	–	–	–	–	5	5	–	–	–	–	–	16
Dunklin	–	12	–	–	–	12	51	–	40	28	–	–	–	–	–	172
Franklin	8	–	–	–	–	21	14	4	256	186	–	–	–	4	–	532
Gasconade	–	–	–	–	–	28	51	–	319	276	–	–	–	2	–	720
Howard	250	10	–	–	–	332	125	3	466	466	1	–	1	1	–	2,306
Jefferson	*	3	1	–	–	12	7	1	221	196	–	–	–	*	–	463
Mississippi	–	–	–	–	*	*	102	–	20	19	–	–	–	*	–	149
Moniteau	2	–	–	–	–	3	3	–	9	10	1	–	1	–	–	35
Montgomery	15	4	–	–	–	14	60	*	184	293	–	–	*	1	–	609
New Madrid	–	*	–	–	19	9	149	–	757	711	–	–	–	16	–	1,867
Osage	*	–	–	–	–	11	35	–	257	376	–	–	–	–	–	718
Pemiscot	–	–	–	–	–	–	154	–	–	–	–	–	–	–	–	156
Perry	92	2	28	–	*	14	10	10	1,499	360	–	–	–	2	–	2,143
Scott	1	1	26	–	–	1	–	1	143	82	–	–	–	–	–	275
St. Charles	1	–	–	–	–	1	16	–	78	88	–	–	–	1	–	239
St. Louis	*	–	–	–	–	–	40	–	55	37	–	–	–	–	–	149
Ste. Genevieve	30	2	12	–	–	17	10	12	117	215	–	–	–	6	–	500
Stoddard	–	14	5	–	–	5	*	*	288	174	–	–	–	2	–	543
Warren	11	–	–	–	–	1	5	*	116	187	–	–	–	1	–	344
Total	502	64	113	–	20	537	904	37	5,694	4,536	2	–	3	41	–	14,149
State total	2,961	259	244	2	147	2,525	6,183	165	62,163	34,326	8	1	41	315	1	120,212

* *Less than 500 cubic feet.*

Table may not sum due to rounding.

Table 6. -- Industrial roundwood production by Forest Survey Unit, species group, and State of destination, Missouri, 2000

(In thousand cubic feet)

ALL UNITS

Species group	Total	State of destination									
		Arkansas	Illinois	Indiana	Iowa	Kansas	Kentucky	Missouri	Nebraska	Wisconsin	Other countries
Softwoods											
Eastern redcedar	3,520	–	–	–	–	–	27	3,494	–	–	–
Shortleaf pine	5,239	70	–	–	–	–	–	5,169	–	–	–
Other pines	3	–	–	–	–	–	–	3	–	–	–
Total	8,762	70	–	–	–	–	27	8,665	–	–	–
Hardwoods											
Soft maple	3,890	1	2	*	205	24	12	3,644	–	–	2
Hard maple	626	12	1	10	6	–	53	512	–	–	32
River birch	52	–	–	–	–	–	–	52	–	–	–
Hickory	4,855	263	14	3	19	–	676	3,876	–	–	5
Pecan	41	–	–	2	–	3	–	36	–	–	–
Hackberry	263	–	*	–	–	10	–	253	–	–	–
Persimmon	1	–	–	–	–	–	1	*	–	–	–
Beech	*	–	–	–	–	–	–	*	–	–	–
Ash	1,116	40	120	5	3	9	11	923	–	–	6
Honeylocust	26	–	–	–	–	–	–	26	–	–	–
Black walnut	2,961	–	109	15	8	7	8	2,640	9	–	165
Sweetgum	259	74	–	–	–	–	1	184	–	–	–
Yellow-poplar	244	58	–	3	–	–	29	146	–	–	8
Osage-orange	2	–	–	–	–	–	–	2	–	–	–
Tupelo	147	17	–	–	8	–	68	55	–	–	–
Sycamore	2,525	8	2	–	11	51	32	2,421	–	–	–
Cottonwood	6,183	38	*	–	162	250	6	5,692	35	–	–
Black cherry	165	–	2	16	–	–	4	139	–	–	4
Red oak group	62,163	962	112	19	92	8	2,782	58,139	–	17	32
White oak group	34,326	876	111	54	114	31	2,550	30,457	–	–	133
Willow	8	–	–	–	–	–	–	8	–	–	–
Sassafras	1	–	–	–	–	–	–	1	–	–	–
Basswood	41	–	–	–	*	–	–	41	–	–	–
Elm	315	14	2	*	39	2	58	201	–	–	–
Mulberry	1	–	–	–	–	–	–	1	–	–	–
Total	120,212	2,362	477	127	667	393	6,290	109,448	44	17	386
State total	128,974	2,432	477	127	667	393	6,317	118,113	44	17	386

(Table 6 continued on next page)

(Table 6 continued)

EASTERN OZARK UNIT

Species group	Total	State of destination									
		Arkansas	Illinois	Indiana	Iowa	Kansas	Kentucky	Missouri	Nebraska	Wisconsin	Other countries
Softwoods											
Eastern redcedar	557	–	–	–	–	–	27	530	–	–	–
Shortleaf pine	4,496	70	–	–	–	–	–	4,426	–	–	–
Total	5,053	70	–	–	–	–	27	4,956	–	–	–
Hardwoods											
Soft maple	100	–	*	–	–	–	5	95	–	–	–
Hard maple	333	–	–	7	–	–	38	284	–	–	3
River birch	*	–	–	–	–	–	–	*	–	–	–
Hickory	2,586	23	7	–	–	–	482	2,070	–	–	3
Pecan	1	–	–	1	–	–	–	–	–	–	–
Hackberry	2	–	–	–	–	–	–	2	–	–	–
Persimmon	*	–	–	–	–	–	*	–	–	–	–
Ash	243	10	62	–	–	–	6	162	–	–	3
Black walnut	215	–	–	–	–	–	1	211	–	–	3
Sweetgum	106	23	–	–	–	–	1	82	–	–	–
Yellow-poplar	88	14	–	1	–	–	6	63	–	–	3
Tupelo	97	–	–	–	–	–	48	48	–	–	–
Sycamore	473	–	1	–	–	–	23	449	–	–	–
Cottonwood	73	15	–	–	–	–	4	54	–	–	–
Black cherry	79	–	–	10	–	–	3	62	–	–	3
Red oak group	32,766	51	94	–	–	–	1,999	30,612	–	–	11
White oak group	15,543	30	7	–	–	–	1,819	13,681	–	–	5
Elm	137	–	1	*	–	–	41	95	–	–	–
Total	52,842	166	173	19	–	–	4,476	47,972	–	–	35
Unit total	57,895	236	173	19	–	–	4,503	52,928	–	–	35

(Table 6 continued on next page)

(Table 6 continued)

SOUTHWESTERN OZARK UNIT

Species group	Total	State of destination									
		Arkansas	Illinois	Indiana	Iowa	Kansas	Kentucky	Missouri	Nebraska	Wisconsin	Other countries
Softwoods											
Eastern redcedar	1,224	–	–	–	–	–	–	1,224	–	–	–
Shortleaf pine	652	–	–	–	–	–	–	652	–	–	–
Total	1,876	–	–	–	–	–	–	1,876	–	–	–
Hardwoods											
Soft maple	6	1	–	–	–	2	–	2	–	–	–
Hard maple	15	12	–	–	–	–	–	3	–	–	–
River birch	*	–	–	–	–	–	–	*	–	–	–
Hickory	695	240	–	–	–	–	–	455	–	–	–
Pecan	*	–	–	–	–	*	–	–	–	–	–
Hackberry	6	–	–	–	–	1	–	5	–	–	–
Beech	*	–	–	–	–	–	–	*	–	–	–
Ash	80	30	–	2	–	1	–	47	–	–	*
Black walnut	679	–	–	1	–	1	–	664	2	–	12
Sweetgum	51	51	–	–	–	–	–	–	–	–	–
Yellow-poplar	44	44	–	–	–	–	–	–	–	–	–
Tupelo	21	17	–	–	–	–	–	4	–	–	–
Sycamore	185	8	–	–	–	*	–	176	–	–	–
Cottonwood	23	22	–	–	–	*	–	–	–	–	–
Black cherry	31	–	–	1	–	–	*	29	–	–	–
Red oak group	11,040	911	–	5	–	1	–	10,118	–	5	*
White oak group	5,336	846	–	–	–	2	–	4,486	–	–	2
Sassafras	1	–	–	–	–	–	–	1	–	–	–
Elm	15	14	–	*	–	*	–	–	–	–	–
Mulberry	1	–	–	–	–	–	–	1	–	–	–
Total	18,228	2,196	–	10	–	9	*	15,993	2	5	14
Unit total	20,103	2,196	–	10	–	9	*	17,868	2	5	14

(Table 6 continued on next page)

(Table 6 continued)

NORTHWESTERN OZARK UNIT

Species group	Total	State of destination									
		Arkansas	Illinois	Indiana	Iowa	Kansas	Kentucky	Missouri	Nebraska	Wisconsin	Other countries
Softwoods											
Eastern redcedar	686	–	–	–	–	–	–	686	–	–	–
Shortleaf pine	64	–	–	–	–	–	–	64	–	–	–
Total	750	–	–	–	–	–	–	750	–	–	–
Hardwoods											
Soft maple	57	–	–	–	–	7	–	50	–	–	–
Hard maple	26	–	–	–	–	–	–	26	–	–	–
River birch	2	–	–	–	–	–	–	2	–	–	–
Hickory	263	–	–	–	–	–	–	263	–	–	–
Pecan	2	–	–	*	–	1	–	1	–	–	–
Hackberry	5	–	–	–	–	3	–	2	–	–	–
Persimmon	*	–	–	–	–	–	–	*	–	–	–
Ash	45	–	–	–	–	3	–	42	–	–	–
Black walnut	125	–	–	1	–	2	–	115	–	–	6
Tupelo	2	–	–	–	–	–	–	2	–	–	–
Sycamore	266	–	–	–	–	1	–	265	–	–	–
Cottonwood	63	–	–	–	–	1	–	62	–	–	–
Black cherry	12	–	–	–	–	–	–	12	–	–	–
Red oak group	5,194	–	–	–	–	2	–	5,192	–	–	–
White oak group	3,873	–	–	–	–	7	–	3,852	–	–	14
Willow	2	–	–	–	–	–	–	2	–	–	–
Sassafras	*	–	–	–	–	–	–	*	–	–	–
Basswood	2	–	–	–	–	–	–	2	–	–	–
Elm	5	–	–	–	–	*	–	5	–	–	–
Total	9,943	–	–	2	–	27	–	9,894	–	–	20
Unit total	10,694	–	–	2	–	27	–	10,644	–	–	20

(Table 6 continued on next page)

(Table 6 continued)

PRAIRIE UNIT

Species group	Total	State of destination									
		Arkansas	Illinois	Indiana	Iowa	Kansas	Kentucky	Missouri	Nebraska	Wisconsin	Other countries
Softwoods											
Eastern redcedar	5	–	–	–	–	–	–	5	–	–	–
Other pines	3	–	–	–	–	–	–	3	–	–	–
Total	8	–	–	–	–	–	–	8	–	–	–
Hardwoods											
Soft maple	3,155	–	–	*	205	14	1	2,933	–	–	2
Hard maple	117	–	*	2	6	–	*	81	–	–	28
River birch	43	–	–	–	–	–	–	43	–	–	–
Hickory	578	–	–	3	19	–	1	556	–	–	–
Pecan	36	–	–	1	–	2	–	34	–	–	–
Hackberry	227	–	–	–	–	7	–	220	–	–	–
Ash	529	–	*	1	3	5	–	519	–	–	*
Honeylocust	22	–	–	–	–	–	–	22	–	–	–
Black walnut	1,439	–	1	13	8	4	–	1,297	7	–	110
Sweetgum	38	–	–	–	–	–	–	38	–	–	–
Osage-orange	2	–	–	–	–	–	–	2	–	–	–
Tupelo	8	–	–	–	8	–	–	–	–	–	–
Sycamore	1,066	–	–	–	11	50	–	1,005	–	–	–
Cottonwood	5,121	–	–	–	162	248	–	4,675	35	–	–
Black cherry	7	–	*	*	–	–	*	6	–	–	–
Red oak group	7,469	–	1	14	92	5	–	7,345	–	12	*
White oak group	5,038	–	*	35	114	21	–	4,813	–	–	54
Willow	3	–	–	–	–	–	–	3	–	–	–
Basswood	36	–	–	–	*	–	–	35	–	–	–
Elm	117	–	–	*	39	1	–	77	–	–	–
Total	25,049	–	3	69	667	356	1	23,704	42	12	194
Unit total	25,057	–	3	69	667	356	1	23,712	42	12	194

(Table 6 continued on next page)

(Table 6 continued)

RIVERBORDER UNIT

Species group	Total	State of destination									
		Arkansas	Illinois	Indiana	Iowa	Kansas	Kentucky	Missouri	Nebraska	Wisconsin	Other countries
Softwoods											
Eastern redcedar	1,049	–	–	–	–	–	–	1,049	–	–	–
Shortleaf pine	27	–	–	–	–	–	–	27	–	–	–
Other pines	*	–	–	–	–	–	–	*	–	–	–
Total	1,076	–	–	–	–	–	–	1,076	–	–	–
Hardwoods											
Soft maple	572	–	2	–	–	–	7	564	–	–	–
Hard maple	136	–	1	1	–	–	15	118	–	–	1
River birch	6	–	–	–	–	–	–	6	–	–	–
Hickory	734	–	7	–	–	–	193	532	–	–	2
Pecan	2	–	–	–	–	–	–	2	–	–	–
Hackberry	24	–	*	–	–	–	–	23	–	–	–
Persimmon	1	–	–	–	–	–	1	–	–	–	–
Ash	219	–	58	2	–	–	5	153	–	–	2
Honeylocust	3	–	–	–	–	–	–	3	–	–	–
Black walnut	502	–	108	–	–	–	7	354	–	–	34
Sweetgum	64	–	–	–	–	–	*	64	–	–	–
Yellow-poplar	113	–	–	2	–	–	23	82	–	–	4
Tupelo	20	–	–	–	–	–	19	*	–	–	–
Sycamore	537	–	1	–	–	–	9	527	–	–	–
Cottonwood	904	–	*	–	–	–	2	902	–	–	–
Black cherry	37	–	2	4	–	–	1	29	–	–	1
Red oak group	5,694	–	17	–	–	–	784	4,872	–	–	21
White oak group	4,536	–	103	19	–	–	731	3,625	–	–	58
Willow	2	–	–	–	–	–	–	2	–	–	–
Basswood	3	–	–	–	–	–	–	3	–	–	–
Elm	41	–	1	*	–	–	17	23	–	–	–
Total	14,149	–	301	27	–	–	1,813	11,885	–	–	123
Unit total	15,225	–	301	27	–	–	1,813	12,960	–	–	123

* *Less than 500 cubic feet.*

Table may not sum due to rounding.

Table 7. -- Saw log receipts by Forest Survey Unit, species group, and State of origin, Missouri, 2000

(In thousand board feet)[1]

ALL UNITS

Species group	Total	State of origin							
		Arkansas	Illinois	Iowa	Kansas	Missouri	Nebraska	Oklahoma	Other U.S.
Softwoods									
Eastern redcedar	8,096	370	–	–	–	7,727	–	–	–
Shortleaf pine	24,859	101	–	–	–	24,758	–	–	–
Other pines	*	–	–	–	–	*	–	–	–
Cypress	52	52	–	–	–	–	–	–	–
Total	33,008	522	–	–	–	32,485	–	–	–
Hardwoods									
Soft maple	25,035	58	1,279	1,666	155	21,357	518	–	3
Hard maple	3,275	–	186	–	–	3,089	–	–	–
River birch	265	–	–	–	–	265	–	–	–
Hickory	23,717	491	367	–	62	22,795	–	1	–
Pecan	558	–	–	–	345	213	–	–	–
Hackberry	1,803	171	114	–	41	1,475	–	1	–
Ash	6,253	73	457	91	107	5,525	–	–	–
Honeylocust	156	–	–	–	–	156	–	–	–
Black walnut	17,858	812	1,144	431	2,185	12,062	414	812	–
Sweetgum	1,082	214	71	–	–	798	–	–	–
Yellow-poplar	1,754	–	868	–	–	886	–	–	–
Osage-orange	10	–	–	–	–	10	–	–	–
Tupelo	400	104	–	–	–	296	–	–	–
Sycamore	15,251	299	274	114	40	14,516	–	7	–
Cottonwood	40,575	497	2,056	481	161	37,073	–	–	306
Black cherry	919	–	110	–	–	809	–	–	–
Red oak group	341,665	5,488	11,591	697	373	323,462	–	55	–
White oak group	160,146	1,977	4,858	195	2,027	151,019	–	70	–
Basswood	194	–	–	–	–	194	–	–	–
Elm	1,521	69	234	–	–	1,218	–	–	–
Total	642,438	10,252	23,609	3,675	5,496	597,218	932	946	309
State total	675,446	10,775	23,609	3,675	5,496	629,703	932	946	309

(Table 7 continued on next page)

(Table 7 continued)

EASTERN OZARK UNIT

Species group	Total	State of origin							
		Arkansas	Illinois	Iowa	Kansas	Missouri	Nebraska	Oklahoma	Other U.S.
Softwoods									
Eastern redcedar	1,312	–	–	–	–	1,312	–	–	–
Shortleaf pine	21,040	101	–	–	–	20,939	–	–	–
Total	22,352	101	–	–	–	22,251	–	–	–
Hardwoods									
Soft maple	788	54	200	–	–	534	–	–	–
Hard maple	1,887	–	20	–	–	1,867	–	–	–
Hickory	13,645	490	30	–	–	13,125	–	–	–
Hackberry	223	170	–	–	–	54	–	–	–
Ash	832	73	30	–	–	729	–	–	–
Black walnut	382	–	–	–	–	382	–	–	–
Sweetgum	872	214	50	–	–	609	–	–	–
Yellow-poplar	174	–	40	–	–	134	–	–	–
Tupelo	222	–	–	–	–	222	–	–	–
Sycamore	3,354	294	25	–	–	3,035	–	–	–
Cottonwood	559	36	60	–	–	464	–	–	–
Black cherry	92	–	–	–	–	92	–	–	–
Red oak group	183,604	5,065	222	–	–	178,317	–	–	–
White oak group	75,131	1,770	202	–	–	73,159	–	–	–
Elm	910	69	200	–	–	640	–	–	–
Total	282,675	8,234	1,079	–	–	273,362	–	–	–
Unit total	305,027	8,335	1,079	–	–	295,613	–	–	–

SOUTHWESTERN OZARK UNIT

Softwoods									
Eastern redcedar	4,750	370	–	–	–	4,381	–	–	–
Shortleaf pine	3,758	–	–	–	–	3,758	–	–	–
Cypress	52	52	–	–	–	–	–	–	–
Total	8,560	422	–	–	–	8,139	–	–	–
Hardwoods									
Soft maple	63	–	–	–	–	63	–	–	–
Hickory	2,530	1	–	–	–	2,527	–	1	–
Hackberry	30	1	–	–	–	28	–	1	–
Ash	329	–	–	–	–	329	–	–	–
Black walnut	5,355	812	–	–	812	2,919	–	812	–
Tupelo	178	104	–	–	–	74	–	–	–
Sycamore	1,212	6	–	–	–	1,200	–	7	–
Black cherry	200	–	–	–	–	200	–	–	–
Red oak group	60,905	423	–	–	–	60,427	–	55	–
White oak group	25,147	206	–	–	42	24,829	–	70	–
Total	95,949	1,553	–	–	854	92,595	–	946	–
Unit total	104,509	1,975	–	–	854	100,734	–	946	–

(Table 7 continued on next page)

(Table 7 continued)

NORTHWESTERN OZARK UNIT

Species group	Total	State of origin							
		Arkansas	Illinois	Iowa	Kansas	Missouri	Nebraska	Oklahoma	Other U.S.
Softwoods									
Eastern redcedar	1,035	–	–	–	–	1,035	–	–	–
Shortleaf pine	31	–	–	–	–	31	–	–	–
Total	1,066	–	–	–	–	1,066	–	–	–
Hardwoods									
Soft maple	794	–	–	–	55	738	–	–	–
Hickory	1,055	–	–	–	–	1,055	–	–	–
Pecan	21	–	–	–	–	21	–	–	–
Ash	311	–	–	–	7	304	–	–	–
Black walnut	202	–	–	–	–	202	–	–	–
Sycamore	1,054	–	–	–	–	1,054	–	–	–
Cottonwood	104	–	–	–	–	104	–	–	–
Black cherry	40	–	–	–	–	40	–	–	–
Red oak group	17,985	–	–	–	–	17,985	–	–	–
White oak group	12,950	–	–	–	–	12,950	–	–	–
Elm	30	–	–	–	–	30	–	–	–
Total	34,544	–	–	–	62	34,482	–	–	–
Unit total	35,610	–	–	–	62	35,548	–	–	–

PRAIRIE UNIT

Softwoods									
Eastern redcedar	11	–	–	–	–	11	–	–	–
Total	11	–	–	–	–	11	–	–	–
Hardwoods									
Soft maple	20,291	–	952	1,666	100	17,056	518	–	–
Hard maple	379	–	34	–	–	345	–	–	–
River birch	256	–	–	–	–	256	–	–	–
Hickory	3,555	–	95	–	62	3,398	–	–	–
Pecan	527	–	–	–	345	182	–	–	–
Hackberry	1,501	–	114	–	41	1,345	–	–	–
Ash	3,435	–	19	91	100	3,225	–	–	–
Honeylocust	156	–	–	–	–	156	–	–	–
Black walnut	7,597	–	782	431	1,373	4,598	414	–	–
Osage-orange	10	–	–	–	–	10	–	–	–
Sycamore	6,379	–	152	114	40	6,072	–	–	–
Cottonwood	32,671	–	820	481	161	31,208	–	–	–
Black cherry	11	–	–	–	–	11	–	–	–
Red oak group	49,038	–	4,045	697	373	43,923	–	–	–
White oak group	30,636	–	2,445	195	1,985	26,011	–	–	–
Basswood	187	–	–	–	–	187	–	–	–
Elm	492	–	34	–	–	458	–	–	–
Total	157,122	–	9,492	3,675	4,580	138,442	932	–	–
Unit total	157,133	–	9,492	3,675	4,580	138,454	932	–	–

(Table 7 continued on next page)

(Table 7 continued)

RIVERBORDER UNIT

Species group	Total	State of origin							
		Arkansas	Illinois	Iowa	Kansas	Missouri	Nebraska	Oklahoma	Other U.S.
Softwoods									
Eastern redcedar	988	–	–	–	–	988	–	–	–
Shortleaf pine	30	–	–	–	–	30	–	–	–
Other pines	*	–	–	–	–	*	–	–	–
Total	1,018	–	–	–	–	1,018	–	–	–
Hardwoods									
Soft maple	3,100	4	127	–	–	2,967	–	–	3
Hard maple	1,009	–	132	–	–	877	–	–	–
River birch	10	–	–	–	–	10	–	–	–
Hickory	2,933	–	243	–	–	2,691	–	–	–
Pecan	10	–	–	–	–	10	–	–	–
Hackberry	49	–	–	–	–	49	–	–	–
Ash	1,346	–	408	–	–	937	–	–	–
Black walnut	4,323	–	362	–	–	3,961	–	–	–
Sweetgum	210	–	21	–	–	189	–	–	–
Yellow-poplar	1,580	–	828	–	–	752	–	–	–
Sycamore	3,252	–	97	–	–	3,156	–	–	–
Cottonwood	7,241	461	1,176	–	–	5,298	–	–	306
Black cherry	575	–	110	–	–	466	–	–	–
Red oak group	30,134	–	7,324	–	–	22,810	–	–	–
White oak group	16,281	–	2,211	–	–	14,070	–	–	–
Basswood	7	–	–	–	–	7	–	–	–
Elm	89	–	–	–	–	89	–	–	–
Total	72,149	465	13,038	–	–	58,337	–	–	309
Unit total	73,167	465	13,038	–	–	59,355	–	–	309

[1] *International 1/4-inch rule.*

Table may not sum due to rounding.

Table 8. -- Saw log production by Forest Survey Unit, county, and species group, Missouri, 2000

(In thousand board feet)[1]

Forest Survey Unit and county	All species	Softwoods				Hardwoods							
		Eastern redcedar	Shortleaf pine	Other pines	Total softwoods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hackberry	Persim-mon	Ash
Eastern Ozark Unit													
Bollinger	14,263	–	58	–	58	234	326	1	1,325	–	–	–	179
Butler	4,655	–	923	–	923	7	1	–	387	–	1	2	3
Carter	18,596	25	2,205	–	2,230	5	–	–	1,201	–	1	–	19
Crawford	17,254	–	570	–	570	–	124	–	460	–	–	–	–
Dent	23,037	10	1,170	–	1,180	56	305	–	638	–	–	–	26
Iron	28,802	40	1,091	–	1,131	–	330	–	902	–	–	–	65
Madison	19,747	20	1,511	–	1,531	5	137	–	1,061	–	–	–	65
Oregon	26,535	–	1,105	–	1,105	10	–	–	1,055	–	3	–	3
Reynolds	33,094	22	3,402	–	3,424	–	90	–	1,062	–	–	–	–
Ripley	22,115	10	1,709	–	1,719	30	6	–	1,577	–	8	–	566
Shannon	35,916	240	3,698	–	3,938	45	8	–	1,404	–	–	–	61
St. Francois	1,789	430	–	–	430	14	12	–	60	–	–	–	21
Washington	17,514	550	1,830	–	2,380	26	189	–	309	–	–	–	65
Wayne	23,663	105	2,783	–	2,888	151	225	–	1,261	–	1	–	372
Total	286,980	1,452	22,054	–	23,506	583	1,752	1	12,702	–	14	2	1,443
Southwestern Ozark Unit													
Barry	5,607	34	–	–	34	–	–	–	294	–	–	–	114
Christian	434	306	–	–	306	–	–	–	–	–	–	–	–
Douglas	11,533	598	52	–	650	–	–	–	552	–	–	–	66
Howell	21,631	270	180	–	450	6	–	–	437	–	–	–	6
McDonald	8,261	–	–	–	–	–	–	–	280	–	28	–	64
Newton	2,957	–	–	–	–	14	–	–	13	2	5	–	5
Ozark	10,437	824	12	–	836	–	–	–	400	–	–	–	13
Stone	1,007	34	–	–	34	–	–	–	–	–	–	–	–
Taney	2,829	2,046	–	–	2,046	–	–	–	–	–	–	–	–
Texas	23,428	–	2,359	–	2,359	6	–	–	767	–	–	–	35
Webster	900	–	–	–	–	–	–	–	42	–	–	–	38
Wright	8,284	270	26	–	296	–	–	–	240	–	–	–	122
Total	97,308	4,381	2,629	–	7,009	26	–	–	3,026	2	33	–	463
Northwestern Ozark Unit													
Benton	1,905	–	–	–	–	–	–	–	24	–	–	–	–
Camden	7,827	516	39	–	555	–	–	–	230	–	–	–	20
Cedar	2,443	12	–	–	12	194	–	–	40	2	5	–	187
Dallas	548	–	–	–	–	–	–	–	6	–	–	–	4
Hickory	2,820	222	112	–	334	–	–	–	–	–	–	–	–
Laclede	5,954	140	–	–	140	–	–	–	290	–	–	–	8
Maries	3,511	–	52	–	52	19	–	–	94	–	–	–	–
Miller	4,036	97	21	–	118	9	11	–	17	–	–	–	–
Morgan	4,549	–	–	–	–	9	–	–	52	–	–	–	–
Phelps	10,625	25	51	–	76	–	125	–	466	–	–	–	–
Polk	1,570	–	20	–	20	14	20	–	80	2	5	–	19
Pulaski	6,543	36	65	–	101	–	–	–	274	–	–	–	–
St. Clair	639	12	–	–	12	70	–	–	–	2	5	–	19
Total	52,970	1,060	360	–	1,420	315	156	–	1,573	5	16	–	257

(Table 8 continued on next page)

(Table 8 continued)

Forest Survey Unit and county	All species	Softwoods				Hardwoods							
		Eastern redcedar	Shortleaf pine	Other pines	Total softwoods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hackberry	Persim-mon	Ash
Prairie Unit													
Adair	3,479	*	–	–	*	239	1	31	106	–	15	–	43
Andrew	1,814	–	–	–	–	684	36	–	1	–	10	–	1
Atchison	846	–	–	–	–	621	–	–	–	–	6	–	–
Audrain	2,318	–	–	–	–	37	8	21	112	–	6	–	38
Barton	3,961	–	–	–	–	416	–	–	120	2	245	–	287
Bates	3,536	–	–	–	–	733	–	23	130	122	125	–	221
Buchanan	2,082	–	–	–	–	684	36	–	1	–	11	–	1
Caldwell	2,106	–	–	–	–	592	–	–	5	–	96	–	59
Carroll	5,097	–	–	–	–	843	–	–	4	–	9	–	71
Cass	156	–	–	–	–	7	–	–	–	–	–	–	–
Chariton	5,587	2	–	–	2	844	–	11	237	*	11	–	130
Clark	5,076	–	–	–	–	615	–	80	111	–	15	–	147
Clay	677	–	–	–	–	116	–	–	4	–	9	–	9
Clinton	2,526	–	–	–	–	799	–	–	5	–	101	–	31
Cooper	946	1	–	–	1	157	–	3	30	*	5	–	43
Dade	1,638	–	–	–	–	14	–	–	10	2	5	–	5
Daviess	4,634	–	–	–	–	635	–	–	25	–	138	–	101
De Kalb	1,828	–	–	–	–	177	–	–	5	–	97	–	31
Gentry	1,070	–	–	–	–	40	–	–	1	–	1	–	32
Greene	480	–	–	–	–	–	–	–	–	–	–	–	–
Grundy	3,349	–	–	–	–	1,094	–	–	24	–	49	–	68
Harrison	1,971	–	–	–	–	646	–	–	5	–	10	–	61
Henry	2,760	–	–	–	–	524	–	–	83	28	28	–	138
Holt	901	–	–	–	–	621	–	–	–	–	6	–	–
Jackson	2,858	–	–	–	–	–	–	–	–	–	–	–	–
Jasper	337	–	–	–	–	14	–	–	–	2	5	–	5
Johnson	144	–	–	–	–	69	–	–	–	–	–	–	21
Knox	1,836	–	–	–	–	229	–	31	56	–	10	–	36
Lafayette	717	–	–	–	–	132	–	–	–	–	–	–	35
Lawrence	2,407	–	–	–	–	14	–	–	–	2	5	–	5
Lewis	1,293	3	–	–	3	146	–	–	52	–	15	–	43
Lincoln	3,220	–	–	–	–	94	35	–	84	–	5	–	270
Linn	6,110	*	–	–	*	705	–	6	190	–	12	–	77
Livingston	6,831	–	–	–	–	1,596	–	–	138	–	58	–	134
Macon	4,857	2	–	–	2	367	1	11	186	–	34	–	98
Marion	2,099	–	–	–	–	77	45	–	127	–	22	–	49
Mercer	1,122	–	–	–	–	218	–	–	–	–	–	–	44
Monroe	6,696	*	–	–	*	157	34	7	388	–	5	–	64
Nodaway	35	–	–	–	–	–	–	–	–	–	–	–	–
Pettis	173	–	–	–	–	77	–	–	*	*	–	–	22
Pike	3,548	–	–	–	–	159	84	–	134	–	11	–	149
Platte	755	–	–	–	–	62	–	–	–	–	3	–	–
Putnam	2,691	–	–	–	–	208	–	–	63	–	–	–	8
Ralls	2,567	–	–	–	–	86	68	–	123	–	24	–	49
Randolph	7,395	2	–	–	2	231	–	18	84	3	21	–	135
Ray	2,114	–	–	–	–	195	–	–	62	–	–	–	35
Saline	3,444	–	–	–	–	335	–	–	63	1	*	–	43
Schuyler	2,062	–	–	–	–	221	–	–	33	–	40	–	48
Scotland	3,155	–	–	–	–	295	144	–	167	–	–	–	44
Shelby	4,250	*	–	–	*	267	–	1	111	–	5	–	31
Sullivan	1,761	–	–	–	–	189	–	–	112	–	–	–	21
Vernon	5,598	–	–	–	–	573	–	–	201	51	74	–	176
Worth	220	–	–	–	–	36	–	–	4	–	9	–	9
Total	139,135	10	–	–	10	17,893	490	243	3,404	212	1,357	–	3,169

(Table 8 continued on next page)

(Table 8 continued)

Forest Survey Unit and county	All species	Softwoods				Hardwoods							
		Eastern redcedar	Shortleaf pine	Other pines	Total softwoods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hackberry	Persim-mon	Ash
Riverborder Unit													
Boone	1,822	5	–	–	5	60	4	5	57	–	19	–	43
Callaway	2,158	120	–	–	120	97	7	–	35	–	7	–	35
Cape Girardeau	6,836	–	–	–	–	58	181	–	247	–	39	*	169
City Of St. Louis	290	–	–	–	–	–	–	–	5	–	–	–	–
Cole	90	–	–	–	–	3	–	–	–	–	–	–	29
Dunklin	1,062	–	–	–	–	39	18	–	70	–	–	–	52
Franklin	2,953	140	55	–	195	39	60	–	80	10	10	1	41
Gasconade	4,070	55	–	–	55	51	67	–	120	–	–	–	23
Howard	12,324	1	–	–	1	2,014	–	7	1,582	1	8	–	151
Jefferson	2,881	335	–	–	335	–	22	–	91	–	8	–	–
Mississippi	730	–	–	–	–	7	–	–	–	–	–	–	–
Moniteau	114	–	–	–	–	–	–	–	–	–	–	–	–
Montgomery	2,785	87	–	–	87	121	3	–	30	–	9	–	17
New Madrid	1,057	–	–	–	–	10	–	–	–	–	–	–	–
Osage	4,078	–	–	–	–	189	*	–	–	–	–	–	41
Pemiscot	1,098	–	–	–	–	11	–	–	–	–	–	–	–
Perry	11,425	20	–	–	20	84	136	–	193	–	1	*	288
Scott	1,542	–	–	–	–	17	42	–	25	–	6	–	40
St. Charles	1,354	1	–	*	2	150	35	–	35	–	7	1	101
St. Louis	917	*	12	*	12	105	–	–	–	–	–	*	*
Ste. Genevieve	2,267	60	50	–	110	69	70	–	134	–	–	*	134
Stoddard	2,998	–	–	–	–	57	49	8	115	–	–	–	107
Warren	1,520	*	–	–	*	55	35	–	35	–	7	1	7
Total	66,372	825	117	*	942	3,237	728	21	2,852	11	121	3	1,276
State total	642,766	7,727	25,160	*	32,887	22,055	3,126	265	23,556	229	1,541	6	6,609

(Table 8 continued on next page)

(Table 8 continued)

Forest Survey Unit and county	Hardwoods													
	Honey-locust	Black walnut	Sweetgum	Yellow-poplar	Osage-orange	Tupelo	Sycamore	Cotton-wood	Black cherry	Red oak group	White oak group	Basswood	Elm	Total hardwoods
Eastern Ozark Unit														
Bollinger	–	16	85	150	–	62	147	6	33	6,333	5,275	–	32	14,205
Butler	–	–	115	1	–	*	27	54	1	1,984	1,112	–	35	3,732
Carter	–	81	17	–	–	*	60	1	–	10,992	3,988	–	–	16,366
Crawford	–	–	–	–	–	–	321	125	–	10,301	5,304	–	50	16,684
Dent	–	202	–	–	–	6	399	20	23	13,970	6,213	–	–	21,857
Iron	–	79	–	65	–	19	75	10	74	19,994	6,052	–	7	27,672
Madison	–	65	1	72	–	79	223	–	66	10,731	5,679	–	33	18,216
Oregon	–	82	–	–	–	–	516	3	11	18,786	4,920	–	43	25,430
Reynolds	–	8	2	–	–	7	79	87	–	22,521	5,806	–	8	29,670
Ripley	–	82	287	88	–	–	382	76	–	12,047	5,246	–	2	20,396
Shannon	–	190	–	–	–	58	62	–	–	21,538	8,460	–	152	31,978
St. Francois	–	14	–	–	–	–	44	14	7	818	331	–	25	1,359
Washington	–	75	10	65	–	–	196	45	67	9,200	4,840	–	47	15,134
Wayne	–	78	125	65	–	56	192	49	114	12,274	5,663	–	148	20,775
Total	–	971	642	506	–	287	2,721	489	396	171,491	68,890	–	583	263,474
Southwestern Ozark Unit														
Barry	–	211	184	138	–	–	28	84	–	2,782	1,738	–	–	5,573
Christian	–	128	–	–	–	–	–	–	–	–	–	–	–	128
Douglas	–	293	–	–	–	–	95	–	40	6,940	2,897	–	–	10,883
Howell	–	282	–	–	–	6	141	–	–	13,847	6,456	–	–	21,181
McDonald	–	249	127	127	–	–	307	64	–	5,227	1,789	–	–	8,261
Newton	–	236	–	–	–	–	76	2	–	1,754	848	–	1	2,957
Ozark	–	294	–	–	–	–	99	–	25	6,695	2,075	–	–	9,601
Stone	–	308	–	–	–	–	–	–	–	490	175	–	–	973
Taney	–	281	–	–	–	–	19	–	–	328	156	–	–	784
Texas	–	281	–	–	–	6	241	–	22	13,685	6,027	–	–	21,069
Webster	–	200	–	–	–	–	–	–	15	380	225	–	–	900
Wright	–	281	–	–	–	–	52	–	45	4,835	2,413	–	–	7,988
Total	–	3,044	311	265	–	12	1,057	150	147	56,962	24,799	–	1	90,299
Northwestern Ozark Unit														
Benton	–	–	–	–	–	–	24	–	–	1,098	759	–	–	1,905
Camden	–	52	–	–	–	–	144	–	40	4,164	2,621	–	–	7,272
Cedar	–	9	–	–	–	–	62	2	–	1,313	616	–	1	2,431
Dallas	–	–	–	–	–	–	–	–	–	197	341	–	–	548
Hickory	–	–	–	–	–	–	–	–	–	2,010	476	–	–	2,486
Laclede	–	–	–	–	–	–	358	–	–	3,040	2,088	–	30	5,814
Maries	–	–	–	–	–	–	171	361	–	1,298	1,515	–	–	3,459
Miller	–	35	–	–	–	–	60	26	–	2,582	1,178	–	–	3,918
Morgan	–	–	–	–	–	–	71	9	–	3,735	672	–	–	4,549
Phelps	–	44	–	–	–	–	462	–	15	5,751	3,686	–	–	10,549
Polk	–	119	–	–	–	–	2	2	–	527	759	–	1	1,550
Pulaski	–	273	–	–	–	–	201	–	15	3,067	2,612	–	–	6,442
St. Clair	–	3	–	–	–	–	12	2	–	221	293	–	1	627
Total	–	536	–	–	–	–	1,568	403	70	29,002	17,616	–	33	51,550

(Table 8 continued on next page)

(Table 8 continued)

Forest Survey Unit and county	Hardwoods													
	Honey-locust	Black walnut	Sweetgum	Yellow-poplar	Osage-orange	Tupelo	Sycamore	Cotton-wood	Black cherry	Red oak group	White oak group	Basswood	Elm	Total hardwoods
Prairie Unit														
Adair	2	38	–	–	–	–	62	544	*	1,465	883	*	49	3,479
Andrew	–	246	–	–	–	–	88	589	–	115	37	6	–	1,814
Atchison	–	134	–	–	–	–	6	–	–	75	–	6	–	846
Audrain	1	8	–	–	1	–	125	134	–	1,165	649	*	14	2,318
Barton	–	200	–	–	–	–	90	42	–	1,481	1,077	–	1	3,961
Bates	–	378	–	–	–	–	311	50	–	1,044	374	23	1	3,536
Buchanan	–	258	–	–	–	–	128	799	–	115	43	6	–	2,082
Caldwell	–	69	–	–	–	–	96	812	–	136	237	–	5	2,106
Carroll	–	69	–	–	–	–	373	2,027	–	1,199	496	–	5	5,097
Cass	–	108	–	–	–	–	7	–	–	–	35	–	–	156
Chariton	46	154	–	–	–	–	340	2,101	3	1,195	497	–	16	5,586
Clark	–	73	–	–	–	–	263	942	–	1,601	1,175	1	52	5,076
Clay	–	69	–	–	–	–	63	233	–	88	81	–	5	677
Clinton	–	236	–	–	–	–	129	732	–	195	286	6	5	2,526
Cooper	7	1	–	–	–	–	79	161	1	262	194	–	3	945
Dade	–	221	–	–	–	–	90	2	–	791	497	–	1	1,638
Daviess	–	600	–	–	–	–	254	1,909	7	521	398	40	6	4,634
De Kalb	–	115	–	–	–	–	121	780	–	147	350	–	5	1,828
Gentry	–	141	–	–	–	–	57	567	2	192	36	–	–	1,070
Greene	–	130	–	–	–	–	–	–	–	99	251	–	–	480
Grundy	–	7	–	–	–	–	164	1,345	–	257	295	40	5	3,349
Harrison	–	4	–	–	–	–	60	770	–	226	183	–	5	1,971
Henry	–	–	–	–	–	–	83	193	–	1,104	552	–	28	2,760
Holt	–	124	–	–	–	–	6	57	–	83	–	6	–	901
Jackson	–	–	–	–	–	–	–	2,848	–	5	5	–	–	2,858
Jasper	–	138	–	–	–	–	62	42	–	49	19	–	1	337
Johnson	–	–	–	–	–	–	–	25	–	29	1	–	–	144
Knox	1	18	–	–	–	–	81	279	*	729	317	*	47	1,836
Lafayette	–	–	–	–	–	–	66	261	*	150	73	–	–	717
Lawrence	–	194	–	–	–	–	30	2	*	1,328	825	–	1	2,407
Lewis	–	30	–	–	–	–	22	283	–	440	253	8	–	1,290
Lincoln	–	207	–	–	–	–	113	264	–	882	1,266	–	–	3,220
Linn	3	5	–	–	–	–	375	2,437	*	1,652	629	–	21	6,110
Livingston	–	530	–	–	–	–	325	2,847	7	810	336	40	10	6,831
Macon	15	148	–	–	–	–	167	788	4	2,030	964	1	43	4,856
Marion	–	61	–	–	–	–	88	209	–	587	827	–	6	2,099
Mercer	–	1	–	–	–	–	57	486	–	213	104	–	–	1,122
Monroe	3	59	–	–	3	–	419	411	*	3,178	1,950	*	17	6,696
Nodaway	–	10	–	–	–	–	–	21	–	–	4	–	–	35
Pettis	–	–	–	–	–	–	7	24	*	32	11	–	–	173
Pike	–	144	–	–	5	–	66	126	–	1,689	966	–	14	3,548
Platte	–	69	–	–	–	–	83	522	–	7	10	–	–	755
Putnam	–	19	–	–	–	–	124	1,002	–	689	576	1	–	2,691
Ralls	–	71	–	–	1	–	115	354	–	761	911	–	4	2,567
Randolph	51	379	–	–	–	–	180	504	6	4,406	1,347	4	23	7,394
Ray	–	69	–	–	–	–	190	1,025	–	404	134	–	–	2,114
Saline	–	147	–	–	–	–	347	1,071	3	1,032	401	–	–	3,444
Schuyler	4	29	–	–	–	–	–	638	–	399	610	–	40	2,062
Scotland	–	19	28	–	–	–	31	563	–	1,023	812	1	28	3,155
Shelby	2	154	–	–	–	–	130	442	2	2,585	513	–	7	4,250
Sullivan	–	12	–	–	–	–	110	596	–	352	369	–	–	1,761
Vernon	–	117	–	–	–	–	134	373	–	2,668	1,229	–	1	5,598
Worth	–	1	–	–	–	–	9	54	–	35	57	–	5	220
Total	136	6,014	28	–	10	–	6,324	33,287	35	41,718	24,142	190	474	139,126

(Table 8 continued on next page)

(Table 8 continued)

Forest Survey Unit and county	Hardwoods													
	Honey-locust	Black walnut	Sweetgum	Yellow-poplar	Osage-orange	Tupelo	Sycamore	Cotton-wood	Black cherry	Red oak group	White oak group	Basswood	Elm	Total hardwoods
Riverborder Unit														
Boone	9	187	–	–	–	–	108	73	7	734	489	2	20	1,817
Callaway	–	10	–	–	–	–	129	344	4	607	747	4	14	2,038
Cape Girardeau	–	39	90	222	–	2	101	83	18	3,270	2,316	–	*	6,836
City Of St. Louis	–	–	–	–	–	–	5	–	–	200	80	–	–	290
Cole	–	–	–	–	–	–	–	–	–	29	29	–	–	90
Dunklin	–	–	70	–	–	–	70	357	–	227	158	–	–	1,062
Franklin	–	37	–	–	–	–	127	101	24	1,436	770	–	22	2,758
Gasconade	–	–	–	–	–	–	172	364	–	1,793	1,416	–	10	4,015
Howard	12	1,086	–	–	–	–	2,002	259	15	2,613	2,568	*	5	12,323
Jefferson	–	2	20	7	–	–	70	53	2	1,242	1,027	–	3	2,546
Mississippi	–	–	–	–	–	–	–	723	–	–	–	–	–	730
Moniteau	–	8	–	–	–	–	–	–	–	52	53	–	–	114
Montgomery	–	24	–	–	–	–	83	206	1	1,031	1,164	1	7	2,698
New Madrid	–	–	1	–	–	–	1	1,046	–	–	–	–	–	1,057
Osage	–	–	–	–	–	–	65	250	–	1,441	2,092	–	–	4,078
Pemiscot	–	–	–	–	–	–	–	1,087	–	–	–	–	–	1,098
Perry	–	420	1	159	–	*	85	69	53	8,370	1,534	–	10	11,405
Scott	–	5	6	146	–	–	6	–	5	794	451	–	–	1,542
St. Charles	–	3	–	–	–	–	7	113	–	435	460	–	7	1,352
St. Louis	–	*	–	–	–	–	–	282	–	308	210	–	–	905
Ste. Genevieve	–	134	–	68	–	–	104	69	66	654	620	–	35	2,157
Stoddard	–	–	83	28	–	–	29	2	*	1,591	918	–	9	2,998
Warren	–	4	–	–	–	–	7	36	*	652	675	–	7	1,519
Total	21	1,958	272	630	–	2	3,170	5,518	197	27,479	17,777	8	149	65,430
State total	156	12,522	1,253	1,400	10	302	14,840	39,848	845	326,653	153,224	197	1,241	609,879

* *Less than 500 board feet.*

[1] *International 1/4-inch rule.*

Table may not sum due to rounding.

Table 9. -- Saw log production by Forest Survey Unit, species group, and State of destination, Missouri, 2000

(In thousand board feet)[1]

ALL UNITS

Species group	Total	State of destination						
		Arkansas	Illinois	Iowa	Kansas	Kentucky	Missouri	Nebraska
Softwoods								
Eastern redcedar	7,727	–	–	–	–	–	7,727	–
Shortleaf pine	25,160	402	–	–	–	–	24,758	–
Other pines	*	–	–	–	–	–	*	–
Total	32,887	402	–	–	–	–	32,485	–
Hardwoods								
Soft maple	22,055	–	14	504	143	37	21,357	–
Hard maple	3,126	–	6	–	–	32	3,089	–
River birch	265	–	–	–	–	–	265	–
Hickory	23,556	583	84	66	–	28	22,795	–
Pecan	229	–	–	–	16	–	213	–
Hackberry	1,541	–	3	–	63	–	1,475	–
Persimmon	6	–	–	–	–	6	–	–
Ash	6,609	237	729	19	53	46	5,525	–
Honeylocust	156	–	–	–	–	–	156	–
Black walnut	12,522	–	319	36	32	35	12,062	40
Sweetgum	1,253	450	–	–	–	6	798	–
Yellow-poplar	1,400	353	–	–	–	162	886	–
Osage-orange	10	–	–	–	–	–	10	–
Tupelo	302	–	–	–	–	6	296	–
Sycamore	14,840	–	14	–	311	–	14,516	–
Cottonwood	39,848	256	3	501	1,765	–	37,073	250
Black cherry	845	–	13	–	–	23	809	–
Red oak group	326,653	1,644	631	420	42	454	323,462	–
White oak group	153,224	1,384	110	460	172	79	151,019	–
Basswood	197	–	–	3	–	–	194	–
Elm	1,241	–	14	–	10	–	1,218	–
Total	609,879	4,907	1,938	2,008	2,607	911	597,218	290
State total	642,766	5,309	1,938	2,008	2,607	911	629,703	290

(Table 9 continued on next page)

(Table 9 continued)

EASTERN OZARK UNIT

Species group	Total	State of destination						
		Arkansas	Illinois	Iowa	Kansas	Kentucky	Missouri	Nebraska
Softwoods								
Eastern redcedar	1,452	–	–	–	–	–	1,452	–
Shortleaf pine	22,054	402	–	–	–	–	21,652	–
Total	23,506	402	–	–	–	–	23,104	–
Hardwoods								
Soft maple	583	–	3	–	–	7	574	–
Hard maple	1,752	–	–	–	–	26	1,726	–
River birch	1	–	–	–	–	–	1	–
Hickory	12,702	139	41	–	–	28	12,494	–
Hackberry	14	–	–	–	–	–	14	–
Persimmon	2	–	–	–	–	2	–	–
Ash	1,443	59	377	–	–	24	983	–
Black walnut	971	–	–	–	–	4	966	–
Sweetgum	642	139	–	–	–	4	500	–
Yellow-poplar	506	88	–	–	–	32	385	–
Tupelo	287	–	–	–	–	5	282	–
Sycamore	2,721	–	7	–	–	–	2,714	–
Cottonwood	489	108	–	–	–	–	381	–
Black cherry	396	–	–	–	–	17	379	–
Red oak group	171,491	287	529	–	–	435	170,240	–
White oak group	68,890	169	41	–	–	79	68,601	–
Elm	583	–	6	–	–	–	578	–
Total	263,474	989	1,005	–	–	663	260,818	–
Unit total	286,980	1,391	1,005	–	–	663	283,921	–

(Table 9 continued on next page)

(Table 9 continued)

SOUTHWESTERN OZARK UNIT

Species group	Total	State of destination						
		Arkansas	Illinois	Iowa	Kansas	Kentucky	Missouri	Nebraska
Softwoods								
Eastern redcedar	4,381	–	–	–	–	–	4,381	–
Shortleaf pine	2,629	–	–	–	–	–	2,629	–
Total	7,009	–	–	–	–	–	7,009	–
Hardwoods								
Soft maple	26	–	–	–	14	–	12	–
Hickory	3,026	444	–	–	–	–	2,582	–
Pecan	2	–	–	–	2	–	–	–
Hackberry	33	–	–	–	5	–	28	–
Ash	463	178	–	–	5	–	280	–
Black walnut	3,044	–	–	–	3	–	3,031	10
Sweetgum	311	311	–	–	–	–	–	–
Yellow-poplar	265	265	–	–	–	–	–	–
Tupelo	12	–	–	–	–	–	12	–
Sycamore	1,057	–	–	–	2	–	1,055	–
Cottonwood	150	148	–	–	2	–	–	–
Black cherry	147	–	–	–	–	–	147	–
Red oak group	56,962	1,357	–	–	4	–	55,601	–
White oak group	24,799	1,215	–	–	14	–	23,570	–
Elm	1	–	–	–	1	–	–	–
Total	90,299	3,918	–	–	53	–	86,318	10
Unit total	97,308	3,918	–	–	53	–	93,327	10

(Table 9 continued on next page)

(Table 9 continued)

NORTHWESTERN OZARK UNIT

Species group	Total	State of destination						
		Arkansas	Illinois	Iowa	Kansas	Kentucky	Missouri	Nebraska
Softwoods								
Eastern redcedar	1,060	–	–	–	–	–	1,060	–
Shortleaf pine	360	–	–	–	–	–	360	–
Total	1,420	–	–	–	–	–	1,420	–
Hardwoods								
Soft maple	315	–	–	–	43	–	272	–
Hard maple	156	–	–	–	–	–	156	–
Hickory	1,573	–	–	–	–	–	1,573	–
Pecan	5	–	–	–	5	–	–	–
Hackberry	16	–	–	–	16	–	–	–
Ash	257	–	–	–	16	–	241	–
Black walnut	536	–	–	–	10	–	527	–
Sycamore	1,568	–	–	–	7	–	1,562	–
Cottonwood	403	–	–	–	6	–	397	–
Black cherry	70	–	–	–	–	–	70	–
Red oak group	29,002	–	–	–	13	–	28,989	–
White oak group	17,616	–	–	–	41	–	17,575	–
Elm	33	–	–	–	3	–	30	–
Total	51,550	–	–	–	159	–	51,391	–
Unit total	52,970	–	–	–	159	–	52,811	–

(Table 9 continued on next page)

(Table 9 continued)

PRAIRIE UNIT

Species group	Total	State of destination						
		Arkansas	Illinois	Iowa	Kansas	Kentucky	Missouri	Nebraska
Softwoods								
Eastern redcedar	10	–	–	–	–	–	10	–
Total	10	–	–	–	–	–	10	–
Hardwoods								
Soft maple	17,893	–	–	504	86	–	17,303	–
Hard maple	490	–	1	–	–	–	489	–
River birch	243	–	–	–	–	–	243	–
Hickory	3,404	–	–	66	–	–	3,338	–
Pecan	212	–	–	–	10	–	202	–
Hackberry	1,357	–	–	–	41	–	1,316	–
Ash	3,169	–	1	19	32	–	3,117	–
Honeylocust	136	–	–	–	–	–	136	–
Black walnut	6,014	–	6	36	19	–	5,923	30
Sweetgum	28	–	–	–	–	–	28	–
Osage-orange	10	–	–	–	–	–	10	–
Sycamore	6,324	–	–	–	302	–	6,022	–
Cottonwood	33,287	–	–	501	1,757	–	30,780	250
Black cherry	35	–	*	–	–	–	35	–
Red oak group	41,718	–	6	420	25	–	41,267	–
White oak group	24,142	–	2	460	117	–	23,563	–
Basswood	190	–	–	3	–	–	187	–
Elm	474	–	–	–	6	–	469	–
Total	139,126	–	17	2,008	2,395	–	134,426	280
Unit total	139,135	–	17	2,008	2,395	–	134,436	280

(Table 9 continued on next page)

(Table 9 continued)

RIVERBORDER UNIT

Species group	Total	State of destination						
		Arkansas	Illinois	Iowa	Kansas	Kentucky	Missouri	Nebraska
Softwoods								
Eastern redcedar	825	–	–	–	–	–	825	–
Shortleaf pine	117	–	–	–	–	–	117	–
Other pines	*	–	–	–	–	–	*	–
Total	942	–	–	–	–	–	942	–
Hardwoods								
Soft maple	3,237	–	11	–	–	31	3,195	–
Hard maple	728	–	5	–	–	5	718	–
River birch	21	–	–	–	–	–	21	–
Hickory	2,852	–	43	–	–	–	2,809	–
Pecan	11	–	–	–	–	–	11	–
Hackberry	121	–	3	–	–	–	119	–
Persimmon	3	–	–	–	–	3	–	–
Ash	1,276	–	350	–	–	21	905	–
Honeylocust	21	–	–	–	–	–	21	–
Black walnut	1,958	–	313	–	–	30	1,615	–
Sweetgum	272	–	–	–	–	2	270	–
Yellow-poplar	630	–	–	–	–	129	500	–
Tupelo	2	–	–	–	–	*	2	–
Sycamore	3,170	–	7	–	–	–	3,163	–
Cottonwood	5,518	–	3	–	–	–	5,515	–
Black cherry	197	–	13	–	–	7	178	–
Red oak group	27,479	–	96	–	–	19	27,365	–
White oak group	17,777	–	66	–	–	–	17,710	–
Basswood	8	–	–	–	–	–	8	–
Elm	149	–	8	–	–	–	141	–
Total	65,430	–	917	–	–	248	64,265	–
Unit total	66,372	–	917	–	–	248	65,207	–

* *Less than 500 board feet.*

[1] *International 1/4-inch rule.*

Table may not sum due to rounding.

Table 10. -- Pulpwood production by species group and Forest Survey Unit, Missouri, 2000

(In standard cords)[1]

Species group	All Units	Forest Survey Unit			
		Eastern Ozark Unit	Southwestern Ozark Unit	Prairie Unit	Riverborder Unit
Soft maple	2,965	48	17	2,479	421
Hard maple	826	425	148	81	172
Hickory	10,704	6,049	2,109	101	2,445
Ash	46	26	9	–	11
Sweetgum	602	–	–	422	181
Tupelo	1,153	600	209	102	242
Sycamore	612	289	100	107	116
Cottonwood	6,173	50	18	4,606	1,498
Red oak group	42,841	24,319	8,478	213	9,831
White oak group	40,463	22,852	7,967	407	9,238
Elm	1,403	519	181	493	210
Total	107,789	55,177	19,236	9,011	24,365

[1] *Standard cords are 128 cubic feet consisting of 79 cubic feet of wood and 49 cubic feet of bark and air space.*

Table may not sum due to rounding.

Table 11. -- White oak cooperage production by Forest Survey Unit, Missouri, 1997 and 2000

(In thousand board feet) [1]

Forest Survey Unit	1997	2000	Change	Percent change
Eastern Ozark Unit	7,912	8,055	143	1.81%
Southwestern Ozark Unit	2,497	4,201	1,704	68.24%
Northwestern Ozark Unit	6,930	3,460	-3,470	-50.07%
Prairie Unit	6,401	2,863	-3,538	-55.27%
Riverborder Unit	6,999	1,235	-5,764	-82.35%
State total	30,740	19,813	-10,927	-35.55%

[1] *International 1/4-inch rule.*

Table may not sum due to rounding.

Table 12. -- Veneer log production by species group and Forest Survey Unit, Missouri, 2000

(In thousand board feet) [1]

Species group	All Units	Forest Survey Unit				
		Eastern Ozark Unit	Southwestern Ozark Unit	Northwestern Ozark Unit	Prairie Unit	Riverborder Unit
Soft maple	11	–	–	–	11	–
Hard maple	187	46	–	–	131	10
Hickory	36	15	–	–	14	8
Pecan	9	3	–	2	4	–
Ash	47	14	9	–	6	18
Black walnut	1,011	14	59	35	564	340
Sweetgum	*	–	–	–	–	*
Yellow-poplar	57	19	–	–	–	39
Tupelo	*	*	–	–	–	*
Sycamore	11	–	–	–	11	–
Black cherry	86	59	5	–	1	20
Red oak group	314	47	45	–	114	109
White oak group	1,461	24	7	86	605	739
Elm	1	1	*	–	*	*
All species	3,234	241	126	122	1,462	1,283

** Less than 500 board feet.*

[1] *International 1/4-inch rule.*

Table may not sum due to rounding.

Table 13. -- Charcoal production by species group and Forest Survey Unit, Missouri, 2000

(In standard cords)[1]

Species group	All Units	Forest Survey Unit			
		Eastern Ozark Unit	Southwestern Ozark Unit	Northwestern Ozark Unit	Prairie Unit
Hard maple	48	–	43	3	2
Hickory	635	181	394	50	10
Pecan	15	–	–	8	7
Persimmon	1	–	–	1	–
Tupelo	83	25	33	25	–
Sycamore	83	25	33	25	–
Black cherry	88	–	73	8	7
Red oak group	7,556	4,301	3,030	225	–
White oak group	3,210	1,950	1,135	123	2
Sassafras	16	–	15	1	–
Red mulberry	15	–	15	–	–
Total	11,750	6,482	4,770	469	28

[1] *Standard cords are 128 cubic feet consisting of 79 cubic feet of wood and 49 cubic feet of bark and air space.*

Table may not sum due to rounding.

Table 14. -- Handle bolt production by species group and Forest Survey Unit, Missouri, 2000

(In thousand board feet) [1]

Species group	All Units	Forest Survey Unit		
		Southwestern Ozark	Prairie Unit	Riverborder Unit
Hickory	480	15	33	431
Hackberry	10	–	–	10
Ash	31	7	14	10
Sweetgum	31	–	–	31
Total	552	22	47	483

[1] *International 1/4-inch rule.*

Table may not sum due to rounding.

Table 15. -- Post production by species group and Forest Survey Unit, Missouri, 2000

(In thousand pieces)

Species group	All Units	Forest Survey Unit			
		Eastern Ozark Unit	Southwestern Ozark Unit	Northwestern Ozark Unit	Riverborder Unit
Softwoods					
Eastern redcedar	2	–	–	2	–
Shortleaf pine	945	688	246	2	9
Total	947	688	246	4	9
Hardwoods					
Red oak group	53	14	12	26	2
White oak group	48	11	9	26	2
Total	101	25	21	52	3
All species	1,048	713	267	56	12

Table may not sum due to rounding.

Table 16. -- Wood material harvested for industrial roundwood by species group and source of material, Missouri, 2000 [1]

(In thousand cubic feet)

Species group	Source of material: Growing stock: Used for products: Sawtimber	Growing stock: Used for products: Pole-timber	Growing stock: Logging residue (not used)	Growing stock: Total growing stock	Non-growing stock: Used for products: Limbwood	Saplings	Cull trees	Dead trees	Nonforest trees	Non-growing stock: Logging slash (not used)	Non-growing stock: Total non-growing stock	Total wood material used	Total wood material not used	Total wood material harvested
Softwoods														
Eastern redcedar	1,811.4	1,227.5	353.2	3,392.1	110.7	8.2	357.9	4.8	–	1,523.8	2,005.4	3,520.5	1,877.0	5,397.5
Shortleaf pine	4,441.5	449.3	550.6	5,441.4	80.5	190.9	38.1	38.8	–	2,542.4	2,890.7	5,239.0	3,093.0	8,332.0
Other pines	2.3	0.3	0.3	2.8	*	–	*	–	–	0.2	0.2	2.6	0.4	3.0
Total	6,255.2	1,677.0	904.1	8,836.3	191.2	199.2	396.0	43.5	–	4,066.4	4,896.3	8,762.0	4,970.5	13,732.5
Hardwoods														
Soft maple	2,817.3	211.1	1,138.2	4,166.6	66.9	9.8	250.2	3.2	531.5	3,133.1	3,994.7	3,890.0	4,271.3	8,161.3
Hard maple	471.5	15.9	166.6	654.0	16.4	0.3	46.2	0.5	75.6	449.5	588.5	626.4	616.1	1,242.5
River birch	40.5	1.5	14.4	56.3	0.5	–	2.9	–	6.4	38.0	47.8	51.7	52.4	104.1
Hickory	3,532.1	128.7	1,303.2	4,964.0	187.7	0.5	430.3	5.5	570.5	3,396.0	4,590.5	4,855.3	4,699.1	9,554.5
Pecan	30.8	0.9	12.0	43.6	0.4	*	3.1	*	5.6	32.5	41.7	40.8	44.5	85.3
Hackberry	201.1	5.4	81.3	287.8	2.6	–	17.3	–	37.1	218.3	275.4	263.5	299.6	563.1
Persimmon	0.7	*	0.3	1.0	*	*	0.1	*	0.1	0.8	1.0	1.0	1.1	2.1
Beech	0.3	*	*	0.3	–	–	–	–	–	*	*	0.3	*	0.4
Ash	849.6	20.4	345.8	1,215.8	11.9	–	74.5	*	159.3	935.7	1,181.3	1,115.6	1,281.4	2,397.1
Honeylocust	19.6	0.4	8.1	28.0	0.3	–	1.7	–	3.8	22.1	27.9	25.8	30.2	55.9
Black walnut	1,233.9	–	184.0	1,417.9	–	–	1,263.9	–	462.7	631.5	2,358.1	2,960.5	815.6	3,776.1
Sweetgum	167.5	35.3	68.3	271.1	8.0	2.0	15.3	0.7	30.2	180.5	236.8	259.1	248.8	507.9
Yellow-poplar	188.1	3.9	73.1	265.2	2.4	–	15.5	–	33.7	198.8	250.4	243.7	271.9	515.6
Osage-orange	–	–	–	–	*	–	1.4	–	0.2	6.4	8.0	1.6	6.4	8.0
Tupelo	91.2	10.5	18.7	120.4	16.1	0.4	20.2	0.7	7.6	49.3	94.3	146.7	68.0	214.6
Sycamore	1,906.6	52.0	768.2	2,726.8	33.5	0.4	174.6	0.4	358.0	2,102.5	2,669.3	2,525.5	2,870.7	5,396.2
Cottonwood	5,257.7	316.7	914.3	6,488.8	483.2	20.7	97.9	6.7	–	3,064.0	3,672.5	6,183.0	3,978.3	10,161.3
Black cherry	126.0	3.6	45.1	174.6	1.8	*	12.8	*	20.8	121.2	156.5	164.9	166.2	331.2
Red oak group	49,966.5	1,562.5	12,285.8	63,814.8	1,427.5	4.2	7,999.1	1,166.7	36.9	30,593.2	41,227.6	62,163.4	42,878.9	105,042.4
White oak group	27,684.8	808.8	6,641.9	35,135.4	956.2	3.4	4,297.7	557.8	17.4	14,666.0	20,498.5	34,326.1	21,307.9	55,634.0
Willow	7.0	0.7	0.7	8.4	–	–	–	–	–	0.5	0.5	7.7	1.2	9.0
Sassafras	0.1	0.2	–	0.3	0.1	*	0.6	*	0.1	0.1	0.8	1.1	0.1	1.2
Basswood	32.6	1.3	10.9	44.9	0.3	–	2.2	–	4.8	28.4	35.7	41.2	39.4	80.6
Elm	205.9	31.5	66.7	304.1	19.3	1.7	26.2	1.0	29.9	182.9	260.9	315.5	249.5	565.0
Mulberry	0.1	0.2	–	0.3	0.1	*	0.6	*	0.1	0.1	0.8	1.0	0.1	1.1
Total	94,831.5	3,211.6	24,147.5	122,190.7	3,235.2	43.5	14,754.3	1,743.2	2,392.2	60,051.3	82,219.6	120,211.5	84,198.8	204,410.3
State total	101,086.8	4,888.6	25,051.6	131,026.9	3,426.3	242.6	15,150.3	1,786.7	2,392.2	64,117.7	87,115.9	128,973.6	89,169.2	218,142.8

* *Less than 50 cubic feet.*

[1] *Based on factors obtained from the Missouri Logging Utilization Study, 1987, and other regional utilization studies.*

Table may not sum due to rounding.

Table 17. -- Growing-stock removals from timberland for industrial roundwood by Forest Survey Unit, county, and species group, Missouri, 2000

(In thousand cubic feet)

Forest Survey Unit and county	All species	Softwoods				Hardwoods									
		Eastern redcedar	Shortleaf pine	Other pines	Total softwoods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hackberry	Persim-mon	Beech	Ash	Honey-locust
Eastern Ozark Unit															
Bollinger	2,929	–	48	–	48	42	61	*	254	–	–	–	–	32	–
Butler	986	7	265	–	272	1	*	–	69	–	*	*	–	1	–
Carter	3,550	13	434	–	448	1	–	–	216	–	*	–	–	3	–
Crawford	3,790	148	118	–	266	–	23	–	82	–	–	–	–	–	–
Dent	4,685	2	399	–	402	10	55	–	115	–	–	–	–	5	–
Iron	5,415	10	208	–	218	–	61	–	163	–	–	–	–	12	–
Madison	4,293	5	301	–	305	1	29	–	246	–	–	–	–	13	–
Oregon	4,999	–	211	–	211	2	–	–	189	–	*	–	–	*	–
Reynolds	6,691	5	733	–	738	–	16	–	190	–	–	–	–	–	–
Ripley	4,189	10	330	–	339	5	3	–	283	1	1	–	–	101	–
Shannon	6,934	57	775	–	832	8	1	–	255	–	–	–	–	11	–
St. Francois	460	103	–	–	103	2	2	–	11	–	–	–	–	4	–
Washington	3,319	131	351	–	482	5	36	–	56	–	–	–	–	12	–
Wayne	6,845	32	535	–	568	29	61	–	489	–	*	–	–	69	–
Total	59,086	525	4,708	–	5,233	107	349	*	2,618	1	2	*	–	264	–
Southwestern Ozark Unit															
Barry	1,070	26	6	–	32	*	–	*	54	–	*	–	*	23	–
Christian	101	73	–	–	73	–	–	–	–	–	–	–	–	–	–
Douglas	2,172	143	10	–	153	–	–	–	99	–	–	–	–	12	–
Howell	4,102	64	45	–	110	1	–	–	80	–	–	–	–	1	–
McDonald	1,535	–	–	–	–	–	1	–	54	–	5	–	–	12	–
Newton	1,658	–	–	–	–	3	8	–	120	*	1	–	–	2	–
Ozark	1,989	197	2	–	199	–	–	–	72	–	–	–	–	2	–
Stone	204	22	–	–	22	–	–	–	1	–	–	–	–	*	–
Taney	622	488	–	–	488	–	–	–	–	–	–	–	–	–	–
Texas	4,574	–	568	–	568	1	–	–	141	–	–	–	–	6	–
Webster	189	–	–	–	–	–	–	–	8	–	–	–	–	7	–
Wright	1,552	64	5	–	69	–	–	–	43	–	–	–	–	22	–
Total	19,770	1,078	637	–	1,715	6	9	*	672	*	6	–	*	88	–
Northwestern Ozark Unit															
Benton	497	32	–	–	32	3	–	1	4	–	1	–	–	1	–
Camden	1,547	123	7	–	131	–	–	–	41	–	–	–	–	4	–
Cedar	516	3	–	–	3	35	–	–	7	*	1	–	–	33	–
Dallas	196	–	–	–	–	–	–	–	1	–	–	–	–	1	–
Hickory	602	53	21	–	74	–	–	–	–	*	–	–	–	–	–
Laclede	1,245	33	–	–	33	–	–	–	52	–	–	–	–	1	–
Maries	802	149	10	–	159	3	–	–	17	–	–	–	–	–	–
Miller	829	96	4	–	100	2	2	–	3	–	–	–	–	–	–
Morgan	899	32	–	–	32	5	*	1	10	*	1	*	–	1	–
Phelps	2,252	153	11	–	164	–	22	–	84	–	–	–	–	–	–
Polk	401	1	4	–	5	3	4	–	14	*	1	–	–	3	–
Pulaski	1,232	9	12	–	21	–	–	–	49	–	–	–	–	–	–
St. Clair	188	3	–	–	3	12	–	–	–	1	1	–	–	3	–
Total	11,206	687	70	–	757	63	28	2	283	1	5	*	–	48	–

(Table 17 continued on next page)

(Table 17 continued)

Forest Survey Unit and county	All species	Softwoods				Hardwoods									
		Eastern redcedar	Shortleaf pine	Other pines	Total softwoods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hackberry	Persim-mon	Beech	Ash	Honey-locust
Prairie Unit															
Adair	638	*	–	–	*	43	*	6	19	–	3	–	–	8	*
Andrew	295	–	–	–	–	123	10	–	*	–	2	–	–	*	–
Atchison	142	–	–	–	–	111	–	–	–	–	1	–	–	–	–
Audrain	435	–	–	–	–	7	1	4	20	–	1	–	–	7	*
Barton	795	–	–	–	–	75	–	–	29	*	44	–	–	55	–
Bates	623	–	–	–	–	131	–	4	23	22	22	–	–	40	–
Buchanan	338	–	–	–	–	123	10	–	*	–	2	–	–	*	–
Caldwell	357	–	–	–	–	106	3	–	1	*	17	–	–	11	–
Carroll	873	–	–	–	–	151	3	–	1	–	2	–	–	13	–
Cass	27	–	–	–	–	1	–	–	–	–	–	–	–	–	–
Chariton	955	*	–	–	*	151	–	2	42	*	2	–	–	23	8
Clark	1,087	–	–	–	–	138	1	14	25	–	3	–	–	26	–
Clay	134	1	–	1	2	22	3	–	1	–	2	–	–	2	–
Clinton	423	–	–	–	–	144	3	–	1	–	18	–	–	6	–
Cooper	420	*	–	–	*	77	*	2	6	*	2	–	–	9	1
Dade	290	–	–	–	–	3	–	–	2	*	1	–	–	1	–
Daviess	750	–	–	–	–	114	3	–	5	*	25	–	–	18	–
De Kalb	305	–	–	–	–	32	3	–	1	–	17	–	–	6	–
Gentry	172	–	–	–	–	7	–	–	*	–	*	–	–	6	–
Greene	159	–	–	–	–	–	–	–	–	–	–	–	–	*	–
Grundy	576	–	–	–	–	196	–	–	4	–	9	–	–	12	–
Harrison	341	–	–	–	–	116	–	–	1	*	2	–	–	11	–
Henry	509	–	–	–	–	94	–	–	15	5	5	–	–	25	–
Holt	151	–	–	–	–	111	–	–	–	–	1	–	–	–	–
Jackson	458	1	–	1	2	*	–	–	–	–	–	–	–	–	–
Jasper	53	–	–	–	–	3	–	–	1	*	1	–	–	1	–
Johnson	32	–	–	–	–	12	–	–	–	–	–	–	–	4	–
Knox	385	–	–	–	–	41	–	6	10	–	2	–	–	7	*
Lafayette	129	–	–	–	–	24	–	–	–	–	–	–	–	6	–
Lawrence	511	–	–	–	–	3	–	–	–	*	1	–	–	1	–
Lewis	403	1	–	–	1	68	3	–	9	–	3	–	–	8	–
Lincoln	593	–	–	–	–	17	6	–	15	–	1	–	–	48	–
Linn	1,046	*	–	–	*	126	–	1	34	–	2	–	–	14	1
Livingston	1,119	–	–	–	–	286	–	–	25	*	10	–	–	24	–
Macon	880	*	–	–	*	66	*	2	33	–	6	–	–	18	3
Marion	412	–	–	–	–	14	8	–	25	–	4	–	–	9	–
Mercer	193	–	–	–	–	39	–	–	–	–	–	–	–	8	–
Monroe	1,253	*	–	–	*	28	8	1	70	*	1	–	–	11	1
Nodaway	5	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pettis	67	–	–	–	–	17	–	1	*	*	1	–	–	5	–
Pike	767	–	–	–	–	63	17	–	27	–	2	–	–	27	–
Platte	142	1	–	1	2	12	3	–	–	–	*	–	–	–	–
Putnam	472	–	–	–	–	37	–	–	11	–	–	–	–	1	–
Ralls	482	–	–	–	–	15	12	–	22	–	4	–	–	9	–
Randolph	1,403	*	–	–	*	48	–	3	15	1	4	–	–	24	9
Ray	357	–	–	–	–	35	3	–	11	–	–	–	–	6	–
Saline	619	–	–	–	–	63	–	1	11	*	1	–	–	9	–
Schuyler	375	–	–	–	–	40	–	–	6	–	7	–	–	9	1
Scotland	607	–	–	–	–	53	26	–	30	–	–	–	–	8	–
Shelby	790	*	–	–	*	48	–	*	20	–	1	–	–	6	*
Sullivan	313	–	–	–	–	34	–	–	20	–	–	–	–	4	–
Vernon	1,018	–	–	–	–	103	–	–	36	10	13	–	–	32	–
Worth	39	–	–	–	–	6	–	–	1	–	2	–	–	2	–
Total	25,717	5	–	3	8	3,378	125	47	629	39	247	–	–	577	24

(Table 17 continued on next page)

(Table 17 continued)

Forest Survey Unit and county	All species	Softwoods				Hardwoods									
		Eastern redcedar	Shortleaf pine	Other pines	Total softwoods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hackberry	Persim-mon	Beech	Ash	Honey-locust
Riverborder Unit															
Boone	473	148	–	–	148	11	1	1	10	–	3	–	–	8	2
Callaway	508	130	–	–	130	17	1	–	6	–	1	–	–	7	–
Cape Girardeau	1,577	–	–	–	–	10	33	–	131	–	8	*	–	31	–
City Of St. Louis	54	–	–	–	–	–	–	–	1	–	–	–	–	–	–
Cole	17	–	–	–	–	1	–	–	–	–	–	–	–	6	–
Dunklin	183	–	–	–	–	7	3	–	13	–	–	–	–	9	–
Franklin	682	109	10	–	119	7	11	–	14	2	2	*	–	7	–
Gasconade	925	162	–	–	162	9	12	–	22	–	–	–	–	4	–
Howard	2,290	*	–	–	*	383	–	2	284	*	3	–	–	28	2
Jefferson	569	80	–	–	80	–	4	–	16	–	1	–	–	–	–
Mississippi	142	–	–	–	–	1	*	–	3	–	–	–	–	*	–
Moniteau	79	43	–	–	43	3	–	1	–	–	1	–	–	2	–
Montgomery	664	35	–	–	35	29	*	–	5	–	2	–	–	3	–
New Madrid	1,358	–	–	–	–	3	9	–	131	–	–	–	–	1	–
Osage	1,128	370	–	–	370	34	*	–	–	–	–	–	–	8	–
Pemiscot	167	–	–	–	–	2	–	–	–	–	–	–	–	–	–
Perry	2,232	5	5	–	9	15	25	–	49	–	1	*	–	53	–
Scott	291	–	–	–	–	3	7	–	4	–	1	–	–	7	–
St. Charles	254	*	–	*	*	27	6	–	6	–	1	*	–	18	–
St. Louis	161	*	2	*	2	19	–	–	–	–	–	*	–	*	–
Ste. Genevieve	554	14	10	–	24	12	13	–	39	–	1	*	–	26	–
Stoddard	575	–	–	–	–	10	9	1	21	–	–	–	–	19	–
Warren	362	*	–	–	*	10	6	–	6	–	1	*	–	1	–
Total	15,247	1,097	27	*	1,124	613	143	6	762	2	27	1	–	239	4
State total	131,027	3,392	5,441	3	8,836	4,167	654	56	4,964	44	288	1	*	1,216	28

(Table 17 continued on next page)

(Table 17 continued)

Forest Survey Unit and county	Hardwoods															
	Black walnut	Sweetgum	Yellow-poplar	Osage-orange	Tupelo	Sycamore	Cotton-wood	Black cherry	Red oak group	White oak group	Willow	Sassafras	Basswood	Elm	Other hardwoods	Total hardwoods
Eastern Ozark Unit																
Bollinger	2	15	28	–	13	27	1	9	1,256	1,135	–	–	–	7	–	2,881
Butler	–	21	*	–	*	5	8	*	372	229	–	–	–	6	–	714
Carter	8	3	–	–	*	11	*	–	2,060	800	–	–	–	–	–	3,103
Crawford	–	–	–	–	–	57	19	–	1,930	1,402	–	–	–	9	–	3,523
Dent	21	–	–	–	1	72	3	4	2,669	1,328	–	–	–	–	–	4,283
Iron	9	–	12	–	3	13	2	14	3,746	1,160	–	–	–	1	–	5,196
Madison	7	*	14	–	20	43	*	13	2,233	1,357	–	–	–	11	–	3,988
Oregon	9	–	–	–	–	92	*	10	3,519	959	–	–	–	8	–	4,789
Reynolds	1	*	–	–	1	14	13	–	4,218	1,497	–	–	–	2	–	5,953
Ripley	9	52	16	–	–	69	11	–	2,257	1,042	–	–	–	1	–	3,850
Shannon	20	–	–	–	11	11	–	–	4,079	1,678	–	–	–	27	–	6,102
St. Francois	1	–	–	–	–	8	2	1	156	165	–	–	–	4	–	357
Washington	8	2	12	–	–	35	7	13	1,724	918	–	–	–	8	–	2,837
Wayne	8	22	13	–	36	47	10	21	3,353	2,069	–	–	–	49	–	6,277
Total	103	115	95	–	85	504	77	86	33,573	15,740	–	–	–	133	–	53,854
Southwestern Ozark Unit																
Barry	24	33	25	–	–	5	13	1	523	337	–	–	–	–	–	1,038
Christian	15	–	–	–	–	–	–	–	3	10	–	–	–	–	–	28
Douglas	31	–	–	–	–	17	–	8	1,300	553	–	–	–	–	–	2,019
Howell	29	–	–	–	1	25	–	–	2,615	1,239	–	–	–	–	–	3,992
McDonald	26	23	23	–	–	55	10	2	979	345	–	*	–	*	*	1,535
Newton	26	–	–	–	12	19	1	–	796	660	–	–	–	10	–	1,658
Ozark	31	–	–	–	–	18	–	4	1,254	409	–	–	–	–	–	1,790
Stone	34	–	–	–	–	–	–	–	102	45	–	–	–	–	–	182
Taney	29	–	–	–	–	3	–	–	62	40	–	–	–	–	–	134
Texas	29	–	–	–	2	44	–	4	2,610	1,168	–	–	–	–	–	4,006
Webster	21	–	–	–	–	–	–	3	71	80	–	–	–	*	–	189
Wright	29	–	–	–	*	10	–	8	907	463	–	–	–	*	–	1,483
Total	324	56	48	–	14	196	24	29	11,222	5,350	–	*	–	10	*	18,055
Northwestern Ozark Unit																
Benton	*	–	–	–	–	7	3	–	206	235	1	–	1	–	–	465
Camden	6	–	–	–	–	26	–	7	780	553	–	–	–	–	–	1,417
Cedar	1	–	–	–	–	11	*	–	246	178	–	–	–	*	–	513
Dallas	*	–	–	–	–	–	–	–	37	157	–	–	–	–	–	196
Hickory	*	–	–	–	–	–	–	–	376	151	–	–	–	–	–	528
Laclede	*	–	–	–	*	65	–	–	582	506	–	–	–	5	–	1,212
Maries	–	–	–	–	–	31	55	–	243	294	–	–	–	–	–	643
Miller	4	–	–	–	–	11	4	–	484	221	–	–	–	–	–	729
Morgan	–	–	–	–	–	16	4	*	700	126	1	*	1	–	–	867
Phelps	5	–	–	–	*	83	–	3	1,081	809	–	–	–	–	–	2,088
Polk	15	–	–	–	–	*	*	–	99	256	–	–	–	*	–	396
Pulaski	28	–	–	–	–	36	–	3	574	521	–	–	–	–	–	1,211
St. Clair	1	–	–	–	–	2	*	–	41	123	–	–	–	*	–	185
Total	60	–	–	–	1	288	67	13	5,449	4,130	2	*	2	6	–	10,449

(Table 17 continued on next page)

(Table 17 continued)

Forest Survey Unit and county	Hardwoods																
	Black walnut	Sweetgum	Yellow-poplar	Osage-orange	Tupelo	Sycamore	Cotton-wood	Black cherry	Red oak group	White oak group	Willow	Sassafras	Basswood	Elm	Other hardwoods	Total hardwoods
Prairie Unit																
Adair	4	–	–	–	–	11	82	*	274	179	–	–	*	9	–	638
Andrew	26	–	–	–	–	16	89	–	21	7	–	–	1	–	–	295
Atchison	14	–	–	–	–	1	–	–	14	–	–	–	1	–	–	142
Audrain	1	–	–	*	–	23	20	–	218	130	–	–	*	3	–	435
Barton	22	–	–	–	–	16	6	–	277	270	–	–	–	*	–	795
Bates	41	–	–	–	–	56	8	–	196	76	–	–	4	*	–	623
Buchanan	28	–	–	–	–	23	121	–	21	8	–	–	1	–	–	338
Caldwell	8	–	–	–	–	17	123	–	25	44	–	–	–	1	–	357
Carroll	8	–	–	–	–	67	307	–	228	93	–	–	–	1	–	873
Cass	12	–	–	–	–	1	–	–	–	12	–	–	–	–	–	27
Chariton	17	–	–	–	–	61	318	1	224	102	–	–	–	3	–	955
Clark	10	–	–	–	6	49	179	–	304	310	–	–	*	20	–	1,087
Clay	7	–	–	–	–	13	50	–	16	15	–	–	*	1	–	132
Clinton	25	–	–	–	–	23	111	–	37	54	–	–	1	1	–	423
Cooper	1	21	–	–	–	17	196	*	49	36	1	–	1	1	–	420
Dade	26	–	–	–	–	16	*	–	148	93	–	–	–	*	–	290
Daviess	66	–	–	–	–	45	289	1	101	75	–	–	7	1	–	750
De Kalb	13	–	–	–	–	22	118	–	28	66	–	–	–	1	–	305
Gentry	17	–	–	–	–	10	86	*	39	7	–	–	–	–	–	172
Greene	18	–	–	–	–	–	–	–	22	120	–	–	–	–	–	159
Grundy	1	–	–	–	–	29	204	–	48	64	–	–	7	1	–	576
Harrison	1	–	–	–	–	11	117	–	48	34	–	–	–	1	–	341
Henry	–	–	–	–	–	15	29	–	207	109	–	–	–	5	–	509
Holt	13	–	–	–	–	1	9	–	16	–	–	–	1	–	–	151
Jackson	–	–	–	–	–	2	446	–	1	7	–	–	*	–	–	456
Jasper	16	–	–	–	–	11	6	–	9	4	–	–	–	*	–	53
Johnson	*	–	–	–	–	–	4	–	5	6	–	–	–	–	–	32
Knox	4	–	–	–	–	15	42	*	137	113	–	–	*	8	–	385
Lafayette	*	–	–	–	–	12	39	*	28	19	–	–	–	–	–	129
Lawrence	35	–	–	–	–	5	*	*	249	217	–	–	–	*	–	511
Lewis	6	3	–	–	–	6	82	–	85	121	–	–	1	7	–	402
Lincoln	22	–	–	–	–	20	40	–	165	258	–	–	–	–	–	593
Linn	1	–	–	–	–	67	369	*	309	118	–	–	–	4	–	1,046
Livingston	58	–	–	–	–	58	431	1	152	64	–	–	7	2	–	1,119
Macon	17	–	–	–	–	30	119	1	380	198	–	–	*	8	–	880
Marion	6	–	–	–	–	16	32	–	110	187	–	–	–	1	–	412
Mercer	*	–	–	–	–	10	74	–	43	19	–	–	–	–	–	193
Monroe	6	–	–	*	–	76	62	*	595	391	–	–	*	3	–	1,253
Nodaway	1	–	–	–	–	–	3	–	–	1	–	–	–	–	–	5
Pettis	*	–	–	–	–	4	7	*	6	23	1	–	1	–	–	67
Pike	15	–	–	*	–	15	41	–	322	221	–	–	–	17	–	767
Platte	7	–	–	–	–	17	94	–	4	2	–	–	*	–	–	140
Putnam	2	–	–	–	–	22	152	–	129	116	–	–	*	–	–	472
Ralls	7	–	–	*	–	21	54	–	143	195	–	–	–	1	–	482
Randolph	42	3	–	–	–	32	101	1	825	289	–	–	1	4	–	1,403
Ray	8	–	–	–	–	34	155	–	80	25	–	–	–	–	–	357
Saline	16	–	–	–	–	65	165	1	193	90	1	–	1	–	–	619
Schuyler	3	–	–	–	–	–	97	–	75	131	–	–	–	7	–	375
Scotland	4	5	–	–	–	6	85	–	192	193	–	–	*	5	–	607
Shelby	17	–	–	–	–	24	67	*	484	122	–	–	–	1	–	790
Sullivan	2	–	–	–	–	20	90	–	66	78	–	–	–	–	–	313
Vernon	13	–	–	–	–	24	56	–	500	230	–	–	–	*	–	1,018
Worth	*	–	–	–	–	2	8	–	7	11	–	–	–	1	–	39
Total	690	32	–	*	6	1,158	5,385	7	7,855	5,352	4	–	39	116	–	25,710

(Table 17 continued on next page)

(Table 17 continued)

Forest Survey Unit and county	Hardwoods															
	Black walnut	Sweetgum	Yellow-poplar	Osage-orange	Tupelo	Sycamore	Cotton-wood	Black cherry	Red oak group	White oak group	Willow	Sassafras	Basswood	Elm	Other hardwoods	Total hardwoods
Riverborder Unit																
Boone	20	–	–	–	–	19	11	1	138	94	–	–	*	4	–	324
Callaway	1	–	–	–	–	23	52	1	115	150	–	–	1	2	–	378
Cape Girardeau	24	19	44	–	*	18	13	5	620	621	–	–	–	*	–	1,577
City Of St. Louis	–	–	–	–	–	1	–	–	37	15	–	–	–	–	–	54
Cole	*	–	–	–	–	–	–	–	6	5	–	–	–	–	–	17
Dunklin	–	13	–	–	–	13	54	–	43	30	–	–	–	–	–	183
Franklin	4	–	–	–	–	23	15	4	269	200	–	–	–	4	–	562
Gasconade	–	–	–	–	–	31	55	–	336	293	–	–	–	2	–	763
Howard	119	8	–	–	–	362	111	3	490	491	1	–	1	1	–	2,290
Jefferson	*	4	1	–	–	13	8	1	233	208	–	–	–	1	–	489
Mississippi	–	–	–	–	*	*	110	–	14	13	–	–	–	*	–	142
Moniteau	1	–	–	–	–	3	3	–	10	10	1	–	1	–	–	36
Montgomery	7	3	–	–	–	15	56	*	193	314	–	–	*	1	–	630
New Madrid	–	*	–	–	13	6	159	–	528	496	–	–	–	11	–	1,358
Osage	*	–	–	–	–	12	38	–	271	396	–	–	–	–	–	758
Pemiscot	–	–	–	–	–	–	165	–	–	–	–	–	–	–	–	167
Perry	44	3	30	–	*	15	10	11	1,577	387	–	–	–	2	–	2,222
Scott	1	1	28	–	–	1	–	1	150	86	–	–	–	–	–	291
St. Charles	*	–	–	–	–	1	17	–	82	93	–	–	–	1	–	254
St. Louis	*	–	–	–	–	–	43	–	58	39	–	–	–	–	–	159
Ste. Genevieve	14	3	13	–	–	19	10	14	123	237	–	–	–	6	–	530
Stoddard	–	15	5	–	–	5	*	*	303	184	–	–	–	2	–	575
Warren	5	–	–	–	–	1	5	*	123	201	–	–	–	1	–	362
Total	242	68	122	–	14	581	936	40	5,716	4,563	2	–	4	38	–	14,123
State total	1,418	271	265	*	120	2,727	6,489	175	63,815	35,135	8	*	45	304	*	122,191

* *Less than 500 cubic feet.*

Table may not sum due to rounding.

Table 18. -- Sawtimber removals from timberland for industrial roundwood by Forest Survey Unit, county, and species group, Missouri, 2000

(In thousand board feet) [1]

Forest Survey Unit and county	All species	Softwoods				Hardwoods									
		Eastern redcedar	Shortleaf pine	Other pines	Total softwoods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hackberry	Persim-mon	Beech	Ash	Honey-locust
Eastern Ozark Unit															
Bollinger	11,100	–	253	–	253	163	236	1	984	–	–	–	–	124	–
Butler	3,768	39	1,050	–	1,089	5	1	–	267	–	1	2	–	2	–
Carter	13,694	46	2,171	–	2,217	3	–	–	830	–	1	–	–	13	–
Crawford	14,910	791	565	–	1,356	–	90	–	318	–	–	–	–	–	–
Dent	17,021	3	1,253	–	1,255	39	211	–	441	–	–	–	–	18	–
Iron	20,200	14	1,070	–	1,084	–	235	–	627	–	–	–	–	48	–
Madison	16,622	5	1,547	–	1,553	5	114	–	970	–	–	–	–	49	–
Oregon	18,727	–	1,083	–	1,083	7	–	–	729	–	2	–	–	2	–
Reynolds	25,839	6	3,387	–	3,393	–	62	–	734	–	–	–	–	–	–
Ripley	16,027	42	1,678	–	1,720	21	11	–	1,090	3	5	–	–	391	–
Shannon	26,107	63	3,668	–	3,731	31	6	–	975	–	–	–	–	42	–
St Francois	1,582	113	–	–	113	10	8	–	42	–	–	–	–	14	–
Washington	12,394	145	1,796	–	1,941	18	139	–	217	–	–	–	–	48	–
Wayne	27,283	67	2,737	–	2,804	113	243	–	1,984	–	1	–	–	265	–
Total	225,276	1,333	22,260	–	23,593	414	1,356	1	10,208	3	9	2	–	1,017	–
Southwestern Ozark Unit															
Barry	3,964	39	34	–	74	2	–	2	207	–	2	–	2	90	–
Christian	212	81	–	–	81	–	–	–	–	–	–	–	–	–	–
Douglas	7,664	157	51	–	209	–	–	–	382	–	–	–	–	46	–
Howell	14,871	71	183	–	254	4	–	–	304	–	–	–	–	4	–
McDonald	5,693	–	–	–	–	–	1	–	202	–	19	–	–	46	–
Newton	6,788	–	–	–	–	14	35	–	505	1	4	–	–	7	–
Ozark	6,854	217	12	–	229	–	–	–	276	–	–	–	–	9	–
Stone	736	25	–	–	25	–	–	–	4	–	–	–	–	2	–
Taney	1,069	539	–	–	539	–	–	–	–	–	–	–	–	–	–
Texas	16,984	–	2,384	–	2,384	4	–	–	536	–	–	–	–	24	–
Webster	769	–	–	–	–	–	–	–	29	–	–	–	–	26	–
Wright	5,570	71	26	–	97	–	–	–	166	–	–	–	–	84	–
Total	71,175	1,200	2,690	–	3,890	24	36	2	2,611	1	25	–	2	338	–
Northwestern Ozark Unit															
Benton	2,032	171	–	–	171	16	–	6	17	–	6	–	–	6	–
Camden	5,465	136	38	–	174	–	–	–	159	–	–	–	–	14	–
Cedar	1,987	3	–	–	3	134	–	–	28	1	4	–	–	129	–
Dallas	852	–	–	–	–	–	–	–	4	–	–	–	–	3	–
Hickory	2,189	58	110	–	168	–	–	–	–	*	–	–	–	–	–
Laclede	4,619	37	–	–	37	–	–	–	201	–	–	–	–	6	–
Maries	3,337	793	51	–	844	13	–	–	65	–	–	–	–	–	–
Miller	3,119	415	21	–	436	6	8	–	12	–	–	–	–	–	–
Morgan	3,373	171	–	–	171	23	*	6	36	*	6	*	–	6	–
Phelps	8,677	792	51	–	843	–	86	–	323	–	–	–	–	–	–
Polk	1,650	1	20	–	20	10	14	–	55	1	4	–	–	13	–
Pulaski	4,592	9	64	–	73	–	–	–	189	–	–	–	–	–	–
St Clair	775	3	–	–	3	48	–	–	–	2	4	–	–	13	–
Total	42,667	2,591	354	–	2,945	250	108	13	1,089	5	24	*	–	190	–

(Table 18 continued on next page)

(Table 18 continued)

Forest Survey Unit and county	All species	Softwoods				Hardwoods									
		Eastern redcedar	Shortleaf pine	Other pines	Total softwoods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hackberry	Persim-mon	Beech	Ash	Honey-locust
Prairie Unit															
Adair	2,549	*	–	–	*	165	*	22	74	–	10	–	–	30	1
Andrew	1,322	–	–	–	–	474	37	–	1	–	7	–	–	1	–
Atchison	555	–	–	–	–	429	–	–	–	–	4	–	–	–	–
Audrain	1,659	–	–	–	–	26	6	14	77	–	4	–	–	26	*
Barton	3,074	–	–	–	–	287	–	–	112	1	170	–	–	211	–
Bates	2,391	–	–	–	–	507	–	16	90	84	87	–	–	152	–
Buchanan	1,547	–	–	–	–	474	37	–	1	–	8	–	–	1	–
Caldwell	1,605	–	–	–	–	410	11	–	4	*	66	–	–	41	–
Carroll	3,898	–	–	–	–	583	11	–	3	–	6	–	–	49	–
Cass	113	–	–	–	–	5	–	–	–	–	–	–	–	–	–
Chariton	4,252	*	–	–	*	583	–	8	164	*	8	–	–	90	32
Clark	4,169	–	–	–	–	449	1	55	87	–	11	–	–	102	–
Clay	612	5	–	5	10	84	13	–	3	–	6	–	–	6	–
Clinton	1,842	–	–	–	–	554	13	–	4	–	70	–	–	21	–
Cooper	971	*	–	–	*	164	*	9	21	*	10	–	–	36	5
Dade	1,090	–	–	–	–	10	–	–	7	1	4	–	–	4	–
Daviess	3,459	–	–	–	–	439	11	–	18	1	96	–	–	70	–
De Kalb	1,395	–	–	–	–	123	13	–	4	–	67	–	–	21	–
Gentry	832	–	–	–	–	28	–	–	1	–	1	–	–	22	–
Greene	703	–	–	–	–	–	–	–	–	–	–	–	–	2	–
Grundy	2,601	–	–	–	–	757	–	–	17	–	34	–	–	47	–
Harrison	1,526	–	–	–	–	447	–	–	4	1	7	–	–	42	–
Henry	1,957	–	–	–	–	362	–	–	57	19	19	–	–	95	–
Holt	606	–	–	–	–	429	–	–	–	–	4	–	–	–	–
Jackson	2,624	5	–	5	9	2	–	–	–	–	–	–	–	–	–
Jasper	222	–	–	–	–	10	–	–	4	1	4	–	–	5	–
Johnson	129	–	–	–	–	48	–	–	–	–	–	–	–	14	–
Knox	1,584	–	–	–	–	158	–	22	39	–	7	–	–	25	1
Lafayette	567	–	–	–	–	92	–	–	–	–	–	–	–	24	–
Lawrence	1,992	–	–	–	–	10	–	–	–	1	4	–	–	4	–
Lewis	1,339	1	–	–	1	137	3	–	36	–	10	–	–	29	–
Lincoln	2,323	–	–	–	–	65	24	–	58	–	4	–	–	187	–
Linn	4,657	*	–	–	*	487	–	4	131	–	8	–	–	53	2
Livingston	5,138	–	–	–	–	1,103	–	–	96	*	40	–	–	93	–
Macon	3,543	*	–	–	*	253	*	7	129	–	23	–	–	68	10
Marion	1,638	–	–	–	–	54	31	–	95	–	15	–	–	34	–
Mercer	874	–	–	–	–	151	–	–	–	–	–	–	–	31	–
Monroe	4,797	*	–	–	*	109	30	5	268	*	3	–	–	44	2
Nodaway	26	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pettis	291	–	–	–	–	69	–	6	*	*	6	–	–	23	–
Pike	2,682	–	–	–	–	141	62	–	96	–	8	–	–	104	–
Platte	731	5	–	5	10	46	13	–	–	–	2	–	–	–	–
Putnam	2,075	–	–	–	–	144	–	–	44	–	–	–	–	5	–
Ralls	1,933	–	–	–	–	59	47	–	85	–	16	–	–	34	–
Randolph	5,297	*	–	–	*	165	–	12	58	2	15	–	–	93	36
Ray	1,660	–	–	–	–	135	11	–	43	–	–	–	–	24	–
Saline	2,690	–	–	–	–	248	–	6	44	1	7	–	–	36	–
Schuyler	1,616	–	–	–	–	152	–	–	23	–	28	–	–	33	3
Scotland	2,478	–	–	–	–	204	100	–	116	–	–	–	–	30	–
Shelby	3,101	*	–	–	*	185	–	1	77	–	3	–	–	22	2
Sullivan	1,364	–	–	–	–	131	–	–	77	–	–	–	–	14	–
Vernon	3,898	–	–	–	–	396	–	–	139	37	51	–	–	124	–
Worth	161	–	–	–	–	25	–	–	3	–	6	–	–	6	–
Total	106,160	17	–	15	32	12,567	474	187	2,405	151	957	–	–	2,229	94

(Table 18 continued on next page)

(Table 18 continued)

Forest Survey Unit and county	All species	Softwoods				Hardwoods									
		Eastern redcedar	Shortleaf pine	Other pines	Total softwoods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hackberry	Persim-mon	Beech	Ash	Honey-locust
Riverborder Unit															
Boone	2,028	787	–	–	787	41	3	4	39	–	13	–	–	32	6
Callaway	2,094	574	–	–	574	67	5	–	24	–	5	–	–	26	–
Cape Girardeau	6,044	–	–	–	–	40	129	–	505	–	30	*	–	121	–
City Of St Louis	199	–	–	–	–	–	–	–	3	–	–	–	–	–	–
Cole	64	–	–	–	–	2	–	–	–	–	–	–	–	22	–
Dunklin	797	–	–	–	–	27	12	–	48	–	–	–	–	36	–
Franklin	2,681	438	54	–	492	27	41	–	55	7	7	1	–	28	–
Gasconade	3,774	807	–	–	807	35	46	–	83	–	–	–	–	16	–
Howard	8,537	*	–	–	*	1,424	–	11	1,093	1	12	–	–	111	8
Jefferson	1,926	88	–	–	88	–	15	–	63	–	6	–	–	–	–
Mississippi	770	–	–	–	–	5	1	–	15	–	–	–	–	*	–
Moniteau	388	229	–	–	229	16	–	6	–	–	6	–	–	8	–
Montgomery	2,494	96	–	–	96	90	2	–	21	–	6	–	–	12	–
New Madrid	5,989	–	–	–	–	11	39	–	555	–	–	–	–	2	–
Osage	4,844	1,974	–	–	1,974	131	*	–	–	–	–	–	–	30	–
Pemiscot	959	–	–	–	–	8	–	–	–	–	–	–	–	–	–
Perry	8,381	5	3	–	8	58	98	–	188	–	4	*	–	206	–
Scott	1,076	–	–	–	–	11	29	–	17	–	4	–	–	28	–
St Charles	980	*	–	*	*	104	24	–	24	–	5	1	–	70	–
St Louis	686	*	12	*	12	72	–	–	–	–	–	*	–	*	–
Ste Genevieve	2,242	16	49	–	65	48	52	–	149	–	4	*	–	99	–
Stoddard	2,140	–	–	–	–	40	34	6	81	–	–	–	–	75	–
Warren	1,422	*	–	–	*	38	24	–	24	–	5	*	–	5	–
Total	60,515	5,016	118	*	5,134	2,296	553	27	2,987	8	107	2	–	926	14
State total	505,792	10,158	25,421	15	35,594	15,551	2,527	230	19,300	168	1,122	4	2	4,701	108

(Table 18 continued on next page)

(Table 18 continued)

Forest Survey Unit and county	Hardwoods														
	Black walnut	Sweetgum	Yellow-poplar	Tupelo	Sycamore	Cotton-wood	Black cherry	Red oak group	White oak group	Willow	Sassafras	Basswood	Elm	Mulberry	Total hardwoods
Eastern Ozark Unit															
Bollinger	8	59	107	49	105	6	35	4,633	4,310	–	–	–	28	–	10,847
Butler	–	79	1	*	18	47	1	1,361	869	–	–	–	24	–	2,679
Carter	38	12	–	*	41	1	–	7,537	3,001	–	–	–	–	–	11,477
Crawford	–	–	–	–	222	109	–	7,062	5,719	–	–	–	35	–	13,555
Dent	95	–	–	5	276	17	16	9,653	4,995	–	–	–	–	–	15,766
Iron	39	–	48	13	52	9	54	13,705	4,281	–	–	–	5	–	19,116
Madison	32	1	54	78	165	2	52	8,298	5,206	–	–	–	43	–	15,069
Oregon	38	–	–	–	356	2	38	12,874	3,565	–	–	–	30	–	17,644
Reynolds	4	1	–	5	55	76	–	15,434	6,070	–	–	–	6	–	22,446
Ripley	38	199	61	–	264	66	–	8,257	3,899	–	–	–	2	–	14,307
Shannon	89	–	–	41	43	–	–	14,828	6,216	–	–	–	105	–	22,376
St Francois	6	–	–	–	30	12	5	573	750	–	–	–	17	–	1,469
Washington	37	7	48	–	135	39	50	6,309	3,373	–	–	–	33	–	10,453
Wayne	38	86	49	149	186	52	82	12,872	8,163	–	–	–	198	–	24,480
Total	463	444	368	339	1,948	440	333	123,395	60,419	–	–	–	525	–	201,683
Southwestern Ozark Unit															
Barry	106	127	95	–	21	73	2	1,912	1,249	–	–	–	–	–	3,891
Christian	67	–	–	–	–	–	–	12	53	–	–	–	–	–	132
Douglas	138	–	–	–	65	–	31	4,756	2,038	–	–	–	–	–	7,455
Howell	132	–	–	4	97	–	–	9,524	4,546	–	–	–	–	–	14,616
McDonald	117	88	88	–	212	56	2	3,582	1,279	–	*	–	*	*	5,693
Newton	117	–	–	49	76	6	–	3,178	2,754	–	–	–	43	–	6,788
Ozark	138	–	–	–	68	–	17	4,588	1,528	–	–	–	–	–	6,625
Stone	153	–	–	–	–	–	–	375	178	–	–	–	–	–	712
Taney	132	–	–	–	13	–	–	225	160	–	–	–	–	–	530
Texas	132	–	–	5	167	–	15	9,450	4,267	–	–	–	–	–	14,600
Webster	94	–	–	–	–	–	10	260	349	–	–	–	*	–	769
Wright	132	–	–	*	36	–	31	3,316	1,708	–	–	–	*	–	5,474
Total	1,458	215	183	58	757	135	109	41,178	20,108	–	*	–	43	*	67,285
Northwestern Ozark Unit															
Benton	1	–	–	–	33	16	–	752	993	6	–	6	–	–	1,861
Camden	26	–	–	–	100	–	28	2,854	2,112	–	–	–	–	–	5,291
Cedar	5	–	–	–	43	2	–	900	738	–	–	–	1	–	1,984
Dallas	1	–	–	–	–	–	–	135	709	–	–	–	–	–	852
Hickory	1	–	–	–	–	–	–	1,377	642	–	–	–	–	–	2,020
Laclede	1	–	–	*	248	–	–	2,115	1,990	–	–	–	21	–	4,582
Maries	–	–	–	–	118	316	–	890	1,091	–	–	–	–	–	2,493
Miller	16	–	–	–	41	23	–	1,769	807	–	–	–	–	–	2,683
Morgan	–	–	–	–	65	24	*	2,560	461	6	*	6	–	–	3,202
Phelps	21	–	–	*	320	–	10	3,951	3,123	–	–	–	–	–	7,834
Polk	66	–	–	–	2	2	–	361	1,101	–	–	–	1	–	1,630
Pulaski	128	–	–	–	139	–	10	2,102	1,950	–	–	–	–	–	4,518
St Clair	2	–	–	–	8	2	–	151	540	–	–	–	1	–	772
Total	269	–	–	1	1,117	385	49	19,917	16,257	13	*	13	23	–	39,722

(Table 18 continued on next page)

(Table 18 continued)

Forest Survey Unit and county	Hardwoods														
	Black walnut	Sweetgum	Yellow-poplar	Tupelo	Sycamore	Cotton-wood	Black cherry	Red oak group	White oak group	Willow	Sassafras	Basswood	Elm	Mulberry	Total hardwoods
Prairie Unit															
Adair	18	–	–	–	43	476	*	1,004	672	–	–	*	34	–	2,549
Andrew	118	–	–	–	61	515	–	78	26	–	–	4	–	–	1,322
Atchison	63	–	–	–	4	–	–	51	–	–	–	4	–	–	555
Audrain	4	–	–	–	89	117	–	799	488	–	–	*	10	–	1,659
Barton	100	–	–	–	62	37	–	1,015	1,077	–	–	–	1	–	3,074
Bates	184	–	–	–	215	44	–	716	280	–	–	16	1	–	2,391
Buchanan	127	–	–	–	89	699	–	78	29	–	–	4	–	–	1,547
Caldwell	38	–	–	–	66	710	–	93	162	–	–	–	3	–	1,605
Carroll	34	–	–	–	258	1,773	–	836	340	–	–	–	3	–	3,898
Cass	56	–	–	–	5	–	–	–	47	–	–	–	–	–	113
Chariton	77	–	–	–	235	1,838	2	819	384	–	–	–	11	–	4,251
Clark	45	–	–	6	184	856	–	1,101	1,226	–	–	1	45	–	4,169
Clay	32	–	–	–	53	285	–	60	55	–	–	2	3	–	602
Clinton	114	–	–	–	89	640	–	134	196	–	–	4	3	–	1,842
Cooper	4	18	–	–	70	304	1	179	133	6	–	6	2	–	971
Dade	117	–	–	–	62	2	–	542	340	–	–	–	1	–	1,090
Daviess	296	–	–	–	175	1,670	5	371	276	–	–	28	4	–	3,459
De Kalb	57	–	–	–	83	682	–	101	240	–	–	–	3	–	1,395
Gentry	74	–	–	–	39	496	1	144	26	–	–	–	–	–	832
Greene	80	–	–	–	–	–	–	81	541	–	–	–	–	–	703
Grundy	4	–	–	–	113	1,177	–	176	245	–	–	28	3	–	2,601
Harrison	5	–	–	–	42	673	–	177	125	–	–	–	3	–	1,526
Henry	–	–	–	–	57	169	–	757	402	–	–	–	19	–	1,957
Holt	58	–	–	–	4	50	–	57	–	–	–	4	–	–	606
Jackson	–	–	–	–	9	2,572	–	3	27	–	–	2	–	–	2,615
Jasper	71	–	–	–	43	37	–	34	13	–	–	–	1	–	222
Johnson	1	–	–	–	–	22	–	20	24	–	–	–	–	–	129
Knox	20	–	–	–	57	244	*	500	480	–	–	*	33	–	1,584
Lafayette	2	–	–	–	46	228	*	103	74	–	–	–	–	–	567
Lawrence	159	–	–	–	21	2	*	910	881	–	–	–	1	–	1,992
Lewis	25	3	–	–	17	282	–	304	481	–	–	6	6	–	1,339
Lincoln	97	–	–	–	78	231	–	604	975	–	–	–	–	–	2,323
Linn	4	–	–	–	259	2,132	*	1,132	431	–	–	–	14	–	4,657
Livingston	263	–	–	–	225	2,491	5	555	234	–	–	28	7	–	5,138
Macon	74	–	–	–	115	689	2	1,391	748	–	–	1	30	–	3,543
Marion	29	–	–	–	62	183	–	402	729	–	–	–	4	–	1,638
Mercer	1	–	–	–	39	425	–	157	71	–	–	–	–	–	874
Monroe	27	–	–	–	292	360	*	2,178	1,466	–	–	*	12	–	4,796
Nodaway	5	–	–	–	–	18	–	–	3	–	–	–	–	–	26
Pettis	1	–	–	–	21	37	*	22	92	6	–	6	–	–	291
Pike	68	–	–	–	49	130	–	1,163	840	–	–	–	22	–	2,682
Platte	32	–	–	–	66	537	–	17	7	–	–	2	–	–	721
Putnam	9	–	–	–	86	877	–	472	438	–	–	1	–	–	2,075
Ralls	33	–	–	–	80	309	–	522	744	–	–	–	3	–	1,933
Randolph	188	3	–	–	125	463	4	3,019	1,094	–	–	3	16	–	5,297
Ray	34	–	–	–	132	897	–	292	92	–	–	–	–	–	1,660
Saline	74	–	–	–	256	953	3	707	343	6	–	6	–	–	2,690
Schuyler	14	–	–	–	–	558	–	274	504	–	–	–	28	–	1,616
Scotland	20	19	–	–	22	492	–	701	754	–	–	1	19	–	2,478
Shelby	76	–	–	–	91	387	1	1,772	482	–	–	–	5	–	3,101
Sullivan	7	–	–	–	76	521	–	241	296	–	–	–	–	–	1,364
Vernon	61	–	–	–	93	326	–	1,828	842	–	–	–	1	–	3,898
Worth	1	–	–	–	6	47	–	24	39	–	–	–	3	–	161
Total	3,103	43	–	6	4,463	29,662	26	28,715	20,515	19	–	156	355	–	106,128

(Table 18 continued on next page)

(Table 18 continued)

Forest Survey Unit and county	Hardwoods														
	Black walnut	Sweetgum	Yellow-poplar	Tupelo	Sycamore	Cotton-wood	Black cherry	Red oak group	White oak group	Willow	Sassafras	Basswood	Elm	Mulberry	Total hardwoods
Riverborder Unit															
Boone	92	–	–	–	74	64	5	506	346	–	–	1	14	–	1,241
Callaway	5	–	–	–	89	301	3	420	564	–	–	3	10	–	1,519
Cape Girardeau	109	73	170	2	70	73	18	2,270	2,434	–	–	–	*	–	6,044
City Of St Louis	–	–	–	–	3	–	–	137	55	–	–	–	–	–	199
Cole	*	–	–	–	–	–	–	21	20	–	–	–	–	–	64
Dunklin	–	48	–	–	48	313	–	156	108	–	–	–	–	–	797
Franklin	17	–	–	–	88	88	17	984	813	–	–	–	15	–	2,189
Gasconade	–	–	–	–	119	319	–	1,229	1,113	–	–	–	7	–	2,966
Howard	537	7	–	–	1,399	303	11	1,793	1,810	6	–	7	3	–	8,537
Jefferson	1	14	6	–	48	46	5	851	781	–	–	–	2	–	1,838
Mississippi	–	–	–	1	1	633	–	59	55	–	–	–	1	–	770
Moniteau	4	–	–	–	16	16	–	36	37	6	–	6	–	–	159
Montgomery	34	3	–	–	57	202	1	708	1,257	–	–	1	5	–	2,398
New Madrid	–	1	–	55	27	920	–	2,233	2,098	–	–	–	48	–	5,989
Osage	*	–	–	–	45	219	–	990	1,455	–	–	–	–	–	2,870
Pemiscot	–	–	–	–	–	951	–	–	–	–	–	–	–	–	959
Perry	197	12	117	*	59	60	41	5,772	1,553	–	–	–	7	–	8,373
Scott	2	4	109	–	4	–	4	550	315	–	–	–	–	–	1,076
St Charles	1	–	–	–	5	99	–	299	344	–	–	–	5	–	979
St Louis	*	–	–	–	–	246	–	211	144	–	–	–	–	–	674
Ste Genevieve	65	11	51	–	72	60	52	452	1,040	–	–	–	24	–	2,177
Stoddard	–	58	21	–	20	2	*	1,111	688	–	–	–	6	–	2,140
Warren	24	–	–	–	5	31	*	449	812	–	–	–	5	–	1,422
Total	1,088	230	474	58	2,250	4,946	156	21,234	17,842	13	–	18	152	–	55,381
State total	6,381	932	1,025	462	10,535	35,567	673	234,439	135,140	45	1	187	1,098	*	470,198

* *Less than 500 board feet.*

[1] *International 1/4-inch rule.*

Table may not sum due to rounding.

Table 19. -- Harvest residue generated by industrial roundwood harvesting by Forest Survey Unit, county, and species group, Missouri, 2000

(In thousand cubic feet)

Forest Survey Unit and county	All species	Softwoods				Hardwoods									
		Eastern redcedar	Shortleaf pine	Other pines	Total softwoods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hackberry	Persimmon	Beech	Ash	Honeylocust
Eastern Ozark Unit															
Bollinger	2,066	–	12	–	12	45	63	*	258	–	–	–	–	35	–
Butler	646	1	119	–	121	1	*	–	75	–	*	*	–	1	–
Carter	2,490	6	266	–	272	1	–	–	232	–	*	–	–	4	–
Crawford	2,422	21	69	–	91	–	24	–	89	–	–	–	–	–	–
Dent	3,137	2	164	–	166	11	59	–	123	–	–	–	–	5	–
Iron	3,835	9	130	–	139	–	64	–	174	–	–	–	–	13	–
Madison	2,760	4	182	–	187	1	27	–	213	–	–	–	–	13	–
Oregon	3,546	–	132	–	132	2	–	–	203	–	*	–	–	*	–
Reynolds	4,462	5	418	–	423	–	17	–	205	–	–	–	–	–	–
Ripley	3,053	3	205	–	208	6	1	–	304	*	1	–	–	109	–
Shannon	4,793	51	452	–	502	9	2	–	271	–	–	–	–	12	–
St. Francois	305	91	–	–	91	3	2	–	12	–	–	–	–	4	–
Washington	2,361	116	219	–	335	5	37	–	60	–	–	–	–	13	–
Wayne	3,595	23	333	–	357	29	47	–	284	–	*	–	–	72	–
Total	39,471	333	2,702	–	3,035	113	343	*	2,502	*	3	*	–	279	–
Southwestern Ozark Unit															
Barry	783	21	1	–	22	*	–	*	57	–	*	–	*	23	–
Christian	76	65	–	–	65	–	–	–	–	–	–	–	–	–	–
Douglas	1,578	126	6	–	133	–	–	–	107	–	–	–	–	13	–
Howell	2,864	57	23	–	80	1	–	–	85	–	–	–	–	1	–
McDonald	1,119	–	–	–	–	–	*	–	55	–	5	–	–	13	–
Newton	556	–	–	–	–	3	1	–	21	*	1	–	–	1	–
Ozark	1,443	174	1	–	176	–	–	–	77	–	–	–	–	3	–
Stone	132	20	–	–	20	–	–	–	1	–	–	–	–	*	–
Taney	520	432	–	–	432	–	–	–	–	–	–	–	–	–	–
Texas	3,106	–	298	–	298	1	–	–	149	–	–	–	–	7	–
Webster	120	–	–	–	–	–	–	–	8	–	–	–	–	7	–
Wright	1,112	57	3	–	60	–	–	–	46	–	–	–	–	24	–
Total	13,409	952	333	–	1,285	5	1	*	605	*	6	–	*	91	–
Northwestern Ozark Unit															
Benton	281	5	–	–	5	*	–	*	5	–	*	–	–	*	–
Camden	1,099	109	5	–	114	–	–	–	44	–	–	–	–	4	–
Cedar	365	3	–	–	3	37	–	–	8	*	1	–	–	36	–
Dallas	96	–	–	–	–	–	–	–	1	–	–	–	–	1	–
Hickory	400	47	13	–	60	–	–	–	–	*	–	–	–	–	–
Laclede	858	30	–	–	30	–	–	–	56	–	–	–	–	2	–
Maries	486	21	6	–	28	4	–	–	18	–	–	–	–	–	–
Miller	546	31	3	–	33	2	2	–	3	–	–	–	–	–	–
Morgan	606	5	–	–	5	2	*	*	10	*	*	*	–	*	–
Phelps	1,502	26	6	–	33	–	24	–	90	–	–	–	–	–	–
Polk	235	*	2	–	3	3	4	–	15	*	1	–	–	4	–
Pulaski	874	8	8	–	15	–	–	–	53	–	–	–	–	–	–
St. Clair	107	3	–	–	3	13	–	–	–	*	1	–	–	4	–
Total	7,455	286	43	–	330	62	30	*	304	1	3	*	–	50	–

(Table 19 continued on next page)

(Table 19 continued)

Forest Survey Unit and county	All species	Softwoods				Hardwoods									
		Eastern redcedar	Shortleaf pine	Other pines	Total softwoods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hackberry	Persimmon	Beech	Ash	Honey-locust
Prairie Unit															
Adair	471	*	–	–	*	46	*	6	21	–	3	–	–	8	*
Andrew	253	–	–	–	–	132	7	–	*	–	2	–	–	*	–
Atchison	141	–	–	–	–	120	–	–	–	–	1	–	–	–	–
Audrain	322	–	–	–	–	7	2	4	22	–	1	–	–	7	*
Barton	596	–	–	–	–	80	–	–	27	*	47	–	–	57	–
Bates	540	–	–	–	–	141	–	5	25	23	24	–	–	43	–
Buchanan	284	–	–	–	–	132	7	–	*	–	2	–	–	*	–
Caldwell	298	–	–	–	–	114	*	–	1	*	18	–	–	11	–
Carroll	678	–	–	–	–	163	*	–	1	–	2	–	–	14	–
Cass	15	–	–	–	–	1	–	–	–	–	–	–	–	–	–
Chariton	756	*	–	–	*	163	–	2	46	*	2	–	–	25	9
Clark	735	–	–	–	–	121	*	15	22	–	3	–	–	28	–
Clay	92	*	–	*	*	22	*	–	1	–	2	–	–	2	–
Clinton	358	–	–	–	–	154	*	–	1	–	20	–	–	6	–
Cooper	160	*	–	–	*	34	*	1	6	*	1	–	–	9	1
Dade	207	–	–	–	–	3	–	–	2	*	1	–	–	1	–
Daviess	580	–	–	–	–	122	*	–	5	*	27	–	–	19	–
De Kalb	234	–	–	–	–	34	*	–	1	–	19	–	–	6	–
Gentry	121	–	–	–	–	8	–	–	*	–	*	–	–	6	–
Greene	74	–	–	–	–	–	–	–	–	–	–	–	–	*	–
Grundy	486	–	–	–	–	211	–	–	5	–	9	–	–	13	–
Harrison	282	–	–	–	–	125	–	–	1	*	2	–	–	12	–
Henry	411	–	–	–	–	101	–	–	16	5	5	–	–	27	–
Holt	147	–	–	–	–	120	–	–	–	–	1	–	–	–	–
Jackson	286	*	–	*	*	*	–	–	–	–	–	–	–	–	–
Jasper	40	–	–	–	–	3	–	–	1	*	1	–	–	1	–
Johnson	24	–	–	–	–	13	–	–	–	–	–	–	–	4	–
Knox	273	–	–	–	–	44	–	6	11	–	2	–	–	7	*
Lafayette	101	–	–	–	–	26	–	–	–	–	–	–	–	7	–
Lawrence	322	–	–	–	–	3	–	–	–	*	1	–	–	1	–
Lewis	199	1	–	–	1	32	*	–	10	–	3	–	–	8	–
Lincoln	440	–	–	–	–	18	7	–	16	–	1	–	–	52	–
Linn	805	*	–	–	*	136	–	1	37	–	2	–	–	15	1
Livingston	910	–	–	–	–	308	–	–	27	*	11	–	–	26	–
Macon	660	*	–	–	*	71	*	2	36	–	6	–	–	19	3
Marion	297	–	–	–	–	15	9	–	25	–	4	–	–	10	–
Mercer	151	–	–	–	–	42	–	–	–	–	–	–	–	9	–
Monroe	931	*	–	–	*	30	7	1	75	*	1	–	–	12	1
Nodaway	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pettis	34	–	–	–	–	15	–	*	*	*	*	–	–	4	–
Pike	505	–	–	–	–	34	16	–	26	–	2	–	–	29	–
Platte	90	*	–	*	*	12	*	–	–	–	1	–	–	–	–
Putnam	345	–	–	–	–	40	–	–	12	–	–	–	–	1	–
Ralls	354	–	–	–	–	17	13	–	24	–	5	–	–	10	–
Randolph	979	*	–	–	*	45	–	3	16	1	4	–	–	26	10
Ray	270	–	–	–	–	38	*	–	12	–	–	–	–	7	–
Saline	460	–	–	–	–	65	–	*	12	*	*	–	–	9	–
Schuyler	275	–	–	–	–	43	–	–	6	–	8	–	–	9	1
Scotland	447	–	–	–	–	57	28	–	32	–	–	–	–	8	–
Shelby	570	*	–	–	*	51	–	*	21	–	1	–	–	6	*
Sullivan	239	–	–	–	–	36	–	–	22	–	–	–	–	4	–
Vernon	785	–	–	–	–	111	–	–	39	10	14	–	–	34	–
Worth	31	–	–	–	–	7	–	–	1	–	2	–	–	2	–
Total	19,067	2	–	*	3	3,464	99	47	662	41	262	–	–	614	26

(Table 19 continued on next page)

(Table 19 continued)

Forest Survey Unit and county	All species	Softwoods				Hardwoods									
		Eastern redcedar	Shortleaf pine	Other pines	Total softwoods	Soft maple	Hard maple	River birch	Hickory	Pecan	Hackberry	Per-simmon	Beech	Ash	Honey-locust
Riverborder Unit															
Boone	265	22	–	–	22	12	1	1	11	–	4	–	–	8	2
Callaway	317	40	–	–	40	19	1	–	7	–	1	–	–	7	–
Cape Girardeau	1,041	–	–	–	–	11	35	–	90	–	8	*	–	33	–
City Of St. Louis	38	–	–	–	–	–	–	–	1	–	–	–	–	–	–
Cole	14	–	–	–	–	1	–	–	–	–	–	–	–	6	–
Dunklin	147	–	–	–	–	8	3	–	13	–	–	–	–	10	–
Franklin	440	40	7	–	47	8	12	–	15	2	2	*	–	8	–
Gasconade	579	33	–	–	33	10	13	–	23	–	–	–	–	4	–
Howard	1,899	*	–	–	*	390	–	2	305	*	2	–	–	29	2
Jefferson	418	71	–	–	71	–	4	–	18	–	2	–	–	–	–
Mississippi	78	–	–	–	–	1	*	–	1	–	–	–	–	*	–
Moniteau	23	6	–	–	6	*	–	*	–	–	*	–	–	*	–
Montgomery	405	20	–	–	20	24	1	–	6	–	2	–	–	3	–
New Madrid	290	–	–	–	–	2	1	–	20	–	–	–	–	*	–
Osage	595	53	–	–	53	36	*	–	–	–	–	–	–	8	–
Pemiscot	110	–	–	–	–	2	–	–	–	–	–	–	–	–	–
Perry	1,557	4	1	–	5	16	26	–	44	–	1	*	–	56	–
Scott	219	–	–	–	–	3	8	–	5	–	1	–	–	8	–
St. Charles	195	*	–	–	*	29	7	–	7	–	1	*	–	20	–
St. Louis	117	*	1	–	2	20	–	–	–	–	–	*	–	*	–
Ste. Genevieve	372	13	6	–	19	13	14	–	33	–	*	*	–	26	–
Stoddard	424	–	–	–	–	11	9	2	22	–	–	–	–	21	–
Warren	223	*	–	–	*	11	7	–	7	–	1	*	–	1	–
Total	9,767	303	15	–	318	627	142	4	627	2	25	1	–	248	4
State total	89,169	1,877	3,093	*	4,970	4,271	616	52	4,699	44	300	1	*	1,281	30

(Table 19 continued on next page)

(Table 19 continued)

Forest Survey Unit and county	Hardwoods															
	Black walnut	Sweet-gum	Yellow-poplar	Osage-Orange	Tupelo	Sycamore	Cotton-wood	Black cherry	Red oak group	White oak group	Willow	Sassafras	Basswood	Elm	Other hardwoods	Total hardwoods
Eastern Ozark Unit																
Bollinger	1	16	29	–	12	28	1	7	834	717	–	–	–	6	–	2,053
Butler	–	22	*	–	*	5	5	*	258	150	–	–	–	7	–	526
Carter	5	3	–	–	*	12	*	–	1,429	532	–	–	–	–	–	2,218
Crawford	–	–	–	–	–	62	12	–	1,339	796	–	–	–	10	–	2,332
Dent	13	–	–	–	1	77	2	4	1,827	849	–	–	–	–	–	2,971
Iron	5	–	13	–	4	14	1	14	2,599	794	–	–	–	1	–	3,696
Madison	4	*	14	–	16	43	*	13	1,429	792	–	–	–	7	–	2,574
Oregon	5	–	–	–	–	99	*	3	2,442	649	–	–	–	8	–	3,414
Reynolds	1	*	–	–	1	15	9	–	2,928	862	–	–	–	2	–	4,039
Ripley	5	55	17	–	–	74	7	–	1,566	697	–	–	–	*	–	2,845
Shannon	12	–	–	–	11	12	–	–	2,809	1,123	–	–	–	29	–	4,290
St. Francois	1	–	–	–	–	8	1	1	107	70	–	–	–	5	–	214
Washington	5	2	13	–	–	38	4	13	1,196	632	–	–	–	9	–	2,026
Wayne	5	24	13	–	15	39	5	22	1,758	894	–	–	–	32	–	3,239
Total	62	124	98	–	61	527	49	78	22,523	9,557	–	–	–	117	–	36,436
Southwestern Ozark Unit																
Barry	14	35	27	–	–	5	8	*	363	229	–	–	–	–	–	761
Christian	8	–	–	–	–	–	–	–	*	3	–	–	–	–	–	12
Douglas	19	–	–	–	–	18	–	8	902	379	–	–	–	–	–	1,445
Howell	18	–	–	–	1	27	–	–	1,805	846	–	–	–	–	–	2,784
McDonald	16	24	24	–	–	59	6	*	679	235	–	*	–	*	*	1,119
Newton	15	–	–	–	2	15	*	–	300	194	–	–	–	2	–	556
Ozark	19	–	–	–	–	19	–	5	870	275	–	–	–	–	–	1,268
Stone	20	–	–	–	–	–	–	–	66	26	–	–	–	–	–	113
Taney	18	–	–	–	–	4	–	–	43	23	–	–	–	–	–	87
Texas	18	–	–	–	1	47	–	4	1,789	793	–	–	–	–	–	2,808
Webster	13	–	–	–	–	–	–	3	49	39	–	–	–	*	–	120
Wright	18	–	–	–	*	10	–	9	629	317	–	–	–	*	–	1,052
Total	194	60	51	–	4	205	15	29	7,495	3,360	–	*	–	2	*	12,124
Northwestern Ozark Unit																
Benton	*	–	–	–	–	5	*	–	143	123	*	–	*	–	–	277
Camden	3	–	–	–	–	28	–	8	541	357	–	–	–	–	–	985
Cedar	1	–	–	–	–	12	*	–	171	96	–	–	–	*	–	362
Dallas	*	–	–	–	–	–	–	–	26	68	–	–	–	–	–	96
Hickory	*	–	–	–	–	–	–	–	261	78	–	–	–	–	–	339
Laclede	*	–	–	–	*	69	–	–	397	299	–	–	–	6	–	829
Maries	–	–	–	–	–	33	36	–	169	200	–	–	–	–	–	459
Miller	2	–	–	–	–	12	3	–	336	153	–	–	–	–	–	512
Morgan	–	–	–	–	–	14	1	*	486	87	*	*	*	–	–	602
Phelps	3	–	–	–	*	89	–	3	749	511	–	–	–	–	–	1,469
Polk	8	–	–	–	–	*	*	–	69	128	–	–	–	*	–	233
Pulaski	17	–	–	–	–	39	–	3	399	348	–	–	–	–	–	858
St. Clair	*	–	–	–	–	2	*	–	29	55	–	–	–	*	–	105
Total	35	–	–	–	*	303	41	14	3,773	2,503	*	*	*	6	–	7,126

(Table 19 continued on next page)

(Table 19 continued)

Forest Survey Unit and county	Hardwoods															
	Black walnut	Sweet-gum	Yellow-poplar	Osage-Orange	Tupelo	Sycamore	Cotton-wood	Black cherry	Red oak group	White oak group	Willow	Sassafras	Basswood	Elm	Other hardwoods	Total hardwoods
Prairie Unit																
Adair	2	–	–	–	–	12	54	*	191	118	–	–	*	9	–	471
Andrew	16	–	–	–	–	17	58	–	15	5	–	–	1	–	–	253
Atchison	9	–	–	–	–	1	–	–	10	–	–	–	1	–	–	141
Audrain	*	–	–	1	–	24	13	–	151	87	–	–	*	3	–	322
Barton	13	–	–	–	–	17	4	–	193	157	–	–	–	*	–	596
Bates	24	–	–	–	–	60	5	–	136	49	–	–	5	*	–	540
Buchanan	17	–	–	–	–	25	79	–	15	6	–	–	1	–	–	284
Caldwell	5	–	–	–	–	18	80	–	18	31	–	–	–	1	–	298
Carroll	4	–	–	–	–	72	200	–	156	65	–	–	–	1	–	678
Cass	7	–	–	–	–	1	–	–	–	5	–	–	–	–	–	15
Chariton	10	–	–	–	–	66	208	1	155	67	–	–	–	3	–	756
Clark	5	–	–	–	1	51	96	–	208	174	–	–	*	11	–	735
Clay	4	–	–	–	–	12	25	–	11	11	–	–	*	1	–	92
Clinton	15	–	–	–	–	25	72	–	25	37	–	–	1	1	–	358
Cooper	*	2	–	–	–	16	30	*	34	25	*	–	*	1	–	160
Dade	15	–	–	–	–	17	*	–	103	65	–	–	–	*	–	207
Daviess	39	–	–	–	–	49	189	1	68	52	–	–	8	1	–	580
De Kalb	7	–	–	–	–	23	77	–	19	45	–	–	–	1	–	234
Gentry	9	–	–	–	–	11	56	*	25	5	–	–	–	–	–	121
Greene	9	–	–	–	–	–	–	–	13	51	–	–	–	–	–	74
Grundy	*	–	–	–	–	32	133	–	33	41	–	–	8	1	–	486
Harrison	*	–	–	–	–	12	76	–	30	24	–	–	–	1	–	282
Henry	–	–	–	–	–	16	19	–	144	73	–	–	–	5	–	411
Holt	8	–	–	–	–	1	6	–	11	–	–	–	1	–	–	147
Jackson	–	–	–	–	–	*	284	–	1	1	–	–	*	–	–	286
Jasper	9	–	–	–	–	12	4	–	6	2	–	–	–	*	–	40
Johnson	*	–	–	–	–	–	2	–	4	1	–	–	–	–	–	24
Knox	2	–	–	–	–	16	28	*	95	54	–	–	*	9	–	273
Lafayette	*	–	–	–	–	13	26	*	20	10	–	–	–	–	–	101
Lawrence	15	–	–	–	–	6	*	*	173	123	–	–	–	*	–	322
Lewis	2	*	–	–	–	4	31	–	57	48	–	–	2	1	–	198
Lincoln	13	–	–	–	–	22	26	–	115	170	–	–	–	–	–	440
Linn	*	–	–	–	–	72	241	*	215	82	–	–	–	4	–	805
Livingston	34	–	–	–	–	63	281	1	105	44	–	–	8	2	–	910
Macon	10	–	–	–	–	32	78	1	264	130	–	–	*	8	–	660
Marion	4	–	–	–	–	17	21	–	76	116	–	–	–	1	–	297
Mercer	*	–	–	–	–	11	48	–	28	13	–	–	–	–	–	151
Monroe	4	–	–	2	–	81	41	*	413	260	–	–	*	3	–	931
Nodaway	1	–	–	–	–	–	2	–	–	1	–	–	–	–	–	3
Pettis	*	–	–	–	–	2	3	*	4	4	*	–	*	–	–	34
Pike	9	–	–	3	–	13	14	–	220	135	–	–	–	4	–	505
Platte	4	–	–	–	–	16	54	–	1	1	–	–	*	–	–	90
Putnam	1	–	–	–	–	24	99	–	90	77	–	–	*	–	–	345
Ralls	5	–	–	*	–	22	35	–	99	124	–	–	–	1	–	354
Randolph	24	*	–	–	–	35	52	1	573	183	–	–	1	4	–	979
Ray	4	–	–	–	–	37	101	–	53	17	–	–	–	–	–	270
Saline	10	–	–	–	–	67	106	1	134	55	*	–	*	–	–	460
Schuyler	2	–	–	–	–	–	63	–	52	84	–	–	–	8	–	275
Scotland	2	5	–	–	–	6	56	–	133	115	–	–	*	5	–	447
Shelby	10	–	–	–	–	25	44	*	336	73	–	–	–	1	–	570
Sullivan	1	–	–	–	–	21	59	–	46	50	–	–	–	–	–	239
Vernon	8	–	–	–	–	26	37	–	347	160	–	–	–	*	–	785
Worth	*	–	–	–	–	2	5	–	5	7	–	–	–	1	–	31
Total	393	8	–	6	1	1,222	3,320	7	5,428	3,332	1	–	37	94	–	19,064

(Table 19 continued on next page)

(Table 19 continued)

Forest Survey Unit and county	Hardwoods																
	Black walnut	Sweet-gum	Yellow-poplar	Osage-Orange	Tupelo	Sycamore	Cotton-wood	Black cherry	Red oak group	White oak group	Willow	Sassafras	Basswood	Elm	Other hardwoods	Total hardwoods
Riverborder Unit																
Boone	12	–	–	–	–	21	7	1	96	64	–	–	*	4	–	243
Callaway	1	–	–	–	–	25	34	1	79	100	–	–	1	3	–	277
Cape Girardeau	6	19	43	–	*	19	8	4	426	337	–	–	–	*	–	1,041
City Of St. Louis	–	–	–	–	–	1	–	–	26	10	–	–	–	–	–	38
Cole	*	–	–	–	–	–	–	–	4	4	–	–	–	–	–	14
Dunklin	–	14	–	–	–	13	35	–	30	21	–	–	–	–	–	147
Franklin	2	–	–	–	–	24	10	5	187	115	–	–	–	4	–	394
Gasconade	–	–	–	–	–	33	36	–	233	191	–	–	–	2	–	546
Howard	70	1	–	–	–	386	32	3	340	336	*	–	*	1	–	1,899
Jefferson	*	4	1	–	–	13	5	*	161	137	–	–	–	1	–	347
Mississippi	–	–	–	–	*	*	71	–	2	2	–	–	–	*	–	78
Moniteau	1	–	–	–	–	*	*	–	7	7	*	–	*	–	–	16
Montgomery	2	*	–	–	–	16	22	*	134	173	–	–	*	1	–	385
New Madrid	–	*	–	–	2	1	104	–	81	77	–	–	–	2	–	290
Osage	*	–	–	–	–	13	25	–	187	273	–	–	–	–	–	542
Pemiscot	–	–	–	–	–	–	107	–	–	–	–	–	–	–	–	110
Perry	27	2	31	–	*	16	7	10	1,089	225	–	–	–	2	–	1,552
Scott	*	1	28	–	–	1	–	1	103	59	–	–	–	–	–	219
St. Charles	*	–	–	–	–	1	11	–	57	61	–	–	–	1	–	195
St. Louis	*	–	–	–	–	–	28	–	40	27	–	–	–	–	–	115
Ste. Genevieve	9	1	13	–	–	20	7	13	85	112	–	–	–	7	–	353
Stoddard	–	16	5	–	–	6	*	*	207	122	–	–	–	2	–	424
Warren	1	–	–	–	–	1	4	*	85	104	–	–	–	1	–	223
Total	131	57	123	–	3	613	554	39	3,660	2,556	*	–	2	31	–	9,449
State total	816	249	272	6	68	2,871	3,978	166	42,879	21,308	1	*	39	250	*	84,199

** Less than 500 cubic feet.*

Table may not sum due to rounding.

Table 20. -- Disposition of residues produced at primary wood-using mills by Forest Survey Unit, disposition, residue type, and softwoods and hardwoods, Missouri, 2000

(In thousand green tons)

Forest Survey Unit and disposition	Total all residues		Residue type							
			Total wood residue		Wood residue					
					Coarse[1]		Fine[2]		Bark	
	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
Eastern Ozark Unit										
Fiber products	5.7	108.8	5.7	108.8	5.4	107.4	0.3	1.5	–	–
Charcoal	33.9	468.6	27.4	391.7	19.7	246.2	7.8	145.5	6.5	76.9
Industrial fuel	4.0	35.2	3.9	34.2	0.1	2.3	3.7	31.9	0.1	1.0
Domestic fuel	0.1	8.6	0.1	5.9	0.1	5.9	–	–	*	2.8
Miscellaneous[3]	13.7	105.7	5.5	28.0	3.7	18.8	1.7	9.2	8.2	77.7
Not used	6.7	83.8	5.7	71.3	1.2	17.4	4.5	53.9	1.0	12.6
Total	64.0	810.8	48.2	639.9	30.2	398.0	18.0	241.9	15.8	170.9
Southwestern Ozark Unit										
Fiber products	3.2	28.1	2.4	28.1	2.4	28.1	–	–	0.9	–
Charcoal	5.6	159.9	5.0	136.5	2.8	81.1	2.3	55.4	0.6	23.4
Industrial fuel	0.1	17.2	0.1	15.3	–	4.7	0.1	10.6	–	1.9
Domestic fuel	*	5.4	*	4.1	*	3.9	–	0.2	*	1.3
Miscellaneous[3]	14.7	33.7	11.7	11.9	6.4	4.1	5.2	7.8	3.0	21.8
Not used	0.3	16.6	0.1	9.8	–	7.8	0.1	2.0	0.3	6.8
Total	23.9	260.8	19.2	205.7	11.6	129.7	7.6	76.0	4.8	55.1
Northwestern Ozark Unit										
Fiber products	0.1	5.1	0.1	5.1	0.1	5.1	–	–	*	–
Charcoal	*	35.3	*	27.6	*	20.1	–	7.5	–	7.7
Industrial fuel	0.6	10.9	0.6	10.5	–	0.7	0.6	9.8	–	0.3
Domestic fuel	0.1	3.2	0.1	2.5	0.1	2.5	–	–	*	0.7
Miscellaneous[3]	1.7	36.8	1.4	25.7	1.3	19.2	0.1	6.5	0.3	11.1
Not used	*	12.2	*	10.1	–	2.4	*	7.7	*	2.0
Total	2.6	103.5	2.3	81.6	1.4	50.0	0.8	31.6	0.4	21.9

(Table 20 continued on next page)

(Table 20 continued)

Forest Survey Unit and disposition	Total all residues		Residue type							
			Total wood residue		Wood residue				Bark	
					Coarse[1]		Fine[2]			
	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
Prairie Unit										
Fiber products	*	54.7	*	52.3	*	52.0	–	0.3	–	2.4
Charcoal	*	17.2	*	13.3	–	10.1	*	3.2	–	3.9
Industrial fuel	0.1	67.0	0.1	64.6	0.1	39.1	*	25.5	–	2.4
Domestic fuel	*	46.6	*	36.6	*	26.7	–	9.9	*	9.9
Miscellaneous[3]	*	135.3	*	85.4	–	33.9	*	51.5	*	49.8
Not used	*	107.9	*	85.1	*	55.5	*	29.7	*	22.8
Total	0.1	428.6	0.1	337.4	0.1	217.3	*	120.1	*	91.2
Riverborder Unit										
Fiber products	–	65.0	–	64.4	–	64.4	–	–	–	0.6
Charcoal	–	22.6	–	18.6	–	11.1	–	7.5	–	4.0
Industrial fuel	–	27.6	–	24.6	–	0.7	–	23.9	–	3.0
Domestic fuel	*	18.3	*	17.1	*	17.1	–	0.0	*	1.2
Miscellaneous[3]	21.4	52.1	18.4	21.6	12.0	6.1	6.5	15.5	3.0	30.5
Not used	0.3	6.2	0.3	3.0	–	0.6	0.3	2.5	0.1	3.2
Total	21.8	191.7	18.7	149.3	12.0	99.9	6.7	49.4	3.1	42.4
All Units										
Fiber products	9.0	261.8	8.1	258.7	7.8	256.9	0.3	1.8	0.9	3.0
Charcoal	39.6	703.4	32.5	587.6	22.4	368.5	10.1	219.1	7.1	115.8
Industrial fuel	4.8	157.8	4.7	149.3	0.2	47.6	4.4	101.6	0.1	8.6
Domestic fuel	0.2	82.1	0.2	66.2	0.2	56.1	–	10.1	*	15.9
Miscellaneous[3]	51.5	363.6	36.9	172.7	23.4	82.1	13.5	90.6	14.6	190.9
Not used	7.4	226.7	6.0	179.4	1.2	83.7	4.9	95.7	1.4	47.3
Total	112.5	1,795.3	88.4	1,413.8	55.3	894.9	33.2	518.9	24.1	381.5

* *Less that 50 green tons.*

[1] *Suitable for chipping such as slabs, edgings, veneer cores.*

[2] *Not suitable for chipping such as sawdust, veneer clippings.*

[3] *Livestock bedding, mulch, small dimension, specialty items, etc.*

Table may not sum due to rounding.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410, or call (202) 720-5964 (voice or TDD). USDA is an equal opportunity provider and employer.

Printed on recyclable paper.

Piva, Ronald J.; Treiman, Thomas B.

2003. **Missouri timber industry—an assessment of timber product output and use, 2000.** Resour. Bull. NC-223. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station. 75 p.

Discusses recent Missouri forest industry trends; production and receipts of industrial roundwood; and production of saw logs, veneer logs, pulpwood, cooperage, and other timber products in 2000. Reports on logging residue generated from timber harvest operations. Also reports on wood and bark residue generated at primary wood-using mills and on disposition of mill residues.

KEY WORDS: Industrial roundwood, logging residue, mill residue, production, receipts, saw logs

The Forest Inventory and Analysis web site is:
www.fia.fs.fed.us

MISSION STATEMENT

We believe the good life has its roots in clean air, sparkling water, rich soil, healthy economies, and a diverse living landscape. Maintaining the good life for generations to come begins with everyday choices about natural resources. The North Central Research Station provides the knowledge and the tools to help people make informed choices. That's how the science we do enhances the quality of people's lives.

For further information contact:

North Central
Research Station
USDA Forest Service
1992 Folwell Ave., St. Paul, MN 55108

Or visit our web site:
www.ncrs.fs.fed.us